College of Arts and Sciences

1995-1996 Catalog

QUEENS COLLEGE

CHARLOTTE

Directions to Queens College

From I-85 and the Airport

Take Billy Graham Parkway exit, South. At the intersection of the Parkway and S. Tryon the name of the Parkway changes to Woodlawn Road. Continue on Woodlawn Road to Selwyn Avenue. There is a Queens College sign just before Selwyn. Turn left on Selwyn Avenue to Queens College. Turn left into the horseshoe driveway.

From I-77

Take Woodlawn/Queens College exit, South. Continue on Woodlawn to Selwyn Avenue. There is a Queens College sign just before Selwyn. Turn left on Selwyn Avenue to Queens College. Turn left into the horseshoe driveway.

QUEENS COLLEGE

COLLEGE OF ARTS AND SCIENCES

1995-1996 CATALOG

Volume 73 **Number 1** **July 1995**

Queens College adheres to the principle that all persons shall have equal opportunity and access to its educational facilities, activities and employment. It does not discriminate on the basis of race, sex, creed, age, ethnic or national origin or handicap in the administration of its educational policies, admissions policies, scholarship or loan programs, and athletic and other college-administered programs.

ACADEMIC CALENDAR 1995-96

Term I

Friday, August 25	New students arrive
Saturday, August 26	Orientation for new students
Sunday, August 27	Upperclassmen arrive
Monday, August 28	Registration, new students
Tuesday, August 29	Registration, returning students
Wednesday, August 30	Classes begin
Tuesday, September 5	Last day to drop/add
Tuesday, September 12	Fall Convocation
Tuesday, October 17	Midterm "D/F" notices sent
Friday, October 20	Fall break
Tuesday, October 24	Last day to withdraw
October 30-November 10	Academic advising period
November 13-17	Pre-registration
Friday, November 17	Thanksgiving break begins, 5 p.m.
Sunday, November 26	Residence halls open
Monday, November 27	Classes resume
Tuesday, December 12	Classes end
Wednesday, December 13	Reading day
December 14-20	Final exams

Term II

Friday, January 5	Residence halls open
Saturday, January 6	Registration, all students
Monday, January 8	Classes begin
Tuesday, January 16	Last day to drop/add
Tuesday, January 23	Spring convocation
Tuesday, February 27	Midterm "D/F" notices sent
Tuesday, March 5	Last day to withdraw
Friday, March 8	Spring recess begins, 5 p.m.
Sunday, March 17	Residence halls open
Monday, March 18	Classes resume
March 18-March 29	Academic advising
April 1 -April 4	Pre-registration
Friday, April 5	Easter holiday
Tuesday, April 16	Awards Convocation
Tuesday, April 23	Classes end
Wednesday, April 24	Reading day
April 25-May 1	Final exams
Friday, May 3	Baccalaureate, 4 p.m.
Saturday, May 4	Commencement, 10 a.m.

Summer Term 1995

May 13-August 10	Courses in progress

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This catalog was correct at the time of printing. The college reserves the right to make changes in its educational programs as necessary.

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INTRODUCTION TO QUEENS COLLEGE

Queens College is a private college with close ties to the Presbyterian Church, located in a pleasant and historic residential area of Charlotte, North Carolina.

Since its founding 138 years ago, Queens has evolved into a diversified institution of higher education serving a variety of learners. Some 1,600 degree-seeking men and women of all ages are enrolled in Queens' three colleges:

- the *College of Arts and Sciences*, a co-educational, undergraduate program that emphasizes the traditional liberal arts;
- the *Pauline Lewis Hayworth College at Queens*, for working men and women who want to earn undergraduate degrees in evening or Saturday classes;
- the *Graduate Programs*, offering leading to the master's degree in business or education.
- The *Hugh L. McColl Jr. School of Business* encompasses programs in accounting, business administration and computer information systems in each of the three units of the college.

In addition, *Queens Continuing Education* provides life-long learning opportunities through a non-degree program which offers a wide variety of personal and professional enrichment courses for the Charlotte community.

Queens College is accredited by the Commission on Colleges of the Southern Association of Colleges and Schools to award the following degrees:

- Bachelor of Arts
- Bachelor of Music
- Bachelor of Science
- Bachelor of Science in Nursing
- Executive Master of Business Administration
- Master of Arts in Teaching
- Master of Business Administration
- Master of Education

The National Association of Schools of Music and the National Association of Music Therapy have accredited the college's programs in music. The National Council for Accreditation of Teacher Education (NCATE) and the North Carolina Department of Public Instruction have fully accredited the education program. The nursing program is accredited by the National League for Nursing and is approved by the North Carolina State Board of Nursing. Queens is also approved for veterans' education.

The business programs in the McColl School of Business are nationally accredited by the Association of Collegiate Business Schools and Programs. Queens also is a member of the Conference of Southern Graduate Schools.

The college operates under the semester system. The academic year includes two 14-week semesters and a summer term. Classes in the College of Arts and Sciences meet Monday through Friday.

This catalog describes the programs of the College of Arts and Sciences. A separate *Catalog* describes Hayworth College and Graduate Programs.

Statement of Purpose

Queens College, private and Presbyterian, is a diversified, co-educational, liberal arts college. The college is a community of learners which engages students in the concepts of a liberal education and its methods of inquiry, fosters an appreciation for intellectual discipline, prepares students as responsible and productive citizens and challenges them to a life of intellectual curiosity and moral vision.

To achieve this purpose in the College of Arts and Sciences, Queens integrates the human experience through an interdisciplinary approach to learning which emphasizes knowledge, creativity, and critical thinking, and seeks, within the context of the Judeo-Christian heritage, a coherence among liberal learning, cultural awareness, international understanding, career preparation and ethical sensitivity. To achieve this purpose in the Hayworth College, Graduate Programs and other programs serving the adult population, Queens provides intellectual, cultural and ethical learning experiences within formats commensurate with the special needs and aspirations of the adult learner.

The College of Arts and Sciences

The College of Arts and Sciences provides a variety of majors and degree programs to students in an environment that is both challenging and supportive. The deliberate small size of the college enables Queens to accentuate concern for the individual and to provide the personal and intellectual interaction, caring, fun and fellowship that are possible only in such a setting.

Of all the elements that combine to make Queens College distinctive, three in particular deserve special mention:

- Queens' nationally recognized **Foundations of Liberal Learning Program** introduces students to the important questions in life. It is specifically designed to help students develop the skills of analytical thinking and reasoning. To emphasize the interconnectedness of all knowledge, the Liberal Learning program takes an interdisciplinary approach and utilizes team-teaching techniques.
- **The International Experience Program** guarantees every full-time student an opportunity for travel and study abroad. Most of the expense associated with this program is included in Queens' regular tuition and fees. The study tours, led by Queens faculty members, include orientation classes to prepare students for experiencing another culture. Study tours usually take place in May.

▪ **The Internship Program** significantly benefits students as they prepare to be productive citizens. Queens College is a leader of liberal arts colleges offering practical experience through internships. Beginning with the class of 2000, which enters as freshmen in the fall of 1996, six hours of internship credit will be required as a degree requirement for the bachelors degree. All other Queens students are strongly encouraged to enroll in internship credit courses ranging from 1-12 credit hours. The college emphasizes internships in its curriculum because of their unique ability to provide opportunities to realistically explore the world of work, integrate classroom knowledge, gain marketable skills, and develop professional networks for entry into graduate school or employment.

Internships are coordinated by the Career Center staff and supervised by a faculty internship instructor and an employer supervisor. Student interns are required to complete specific learning tasks on the job as well as career development assignments such as a performance review, information interviewing, attending professional development seminars, as well as writing resumes, cover letters and memos. Internships enhance a student's qualifications for graduate school and employment.

Many other special opportunities exist for Queens students:

CHARLOTTE AREA EDUCATIONAL CONSORTIUM. Queens College is one of 13 member institutions of the Charlotte Area Educational Consortium. Other members are Barber-Scotia College, Belmont Abbey College, Central Piedmont Community College, Davidson College, Gaston College, Johnson C. Smith University, Pfeiffer College-Charlotte, Stanly Community College, the University of North Carolina at Charlotte, Wingate College, Winthrop College and York Technical College. Regularly enrolled students at consortium institutions may register for any course at another institution in the group on a space-available basis without additional charge.

Consortium-sponsored conferences and programs are offered periodically for faculty and students at all member institutions.

GOVERNMENT INTERNSHIP PROGRAM. Queens students may choose to participate in a government internship program providing an understanding of practical politics as well as an introduction to government employment. The Queens program is based upon cooperation with existing programs with local, state or federal government institutions. Some of the internship opportunities involve stipends that may be used to defray the costs of the internship to the students.

THE WASHINGTON CENTER. Queens students may apply for Washington internships through the Washington Center. These internships give students opportunities to explore a variety of public-oriented careers and professions. Within the framework of liberal arts studies, they enable students to combine a work and learning experience for academic credit.

WASHINGTON SEMESTER AT AMERICAN UNIVERSITY. Through a cooperative arrangement with American University, two Queens students annually may spend one term in Washington, D.C. studying American national government. The study is carried out through a seminar of the student's own choosing, an individual research project and regular courses at American University. Applicants must have completed Political Science 201 and have a grade-point average of 2.60 or higher. An additional tuition supplement may be required. Application should be made through the Department of Political Science. For further information, contact the Office of Academic Affairs.

THE LEARNING SOCIETY OF QUEENS COLLEGE. Through the Learning Society, students have the opportunity to meet and hear some of the world's major thinkers and leaders. Recent speakers have included Ross Perot, astronomer Carl Sagan, former U.N. Ambassador Jeane Kirkpatrick, former Secretary of State Dr. Henry Kissinger, ABC News veteran David Brinkley, columnists George Will, William Raspberry and William F. Buckley, correspondent Cokie Roberts, former senators Paul Tsongas and Warren Rudman and political advisors James Carville and Mary Matalin. Students are involved in arranging Learning Society events.

The Campus

Queens College is located on a wooded campus in the Myers Park area of Charlotte. Its Georgian buildings, many of them constructed in 1914 when the college was moved to this site, have been extensively remodeled. The architectural motif of red brick with white trim has been incorporated in the more modern buildings.

Principal buildings include the following:

BURWELL HALL, 1914, the focal point of the campus, faces Selwyn Avenue. In addition to housing administrative offices, the building has parlors which provide a spacious reception area for guests and social events. Robert Burwell served as president of the Charlotte Female Institute from 1857 to 1872 and his wife, Margaret Anna Burwell, was a teacher and principal.

BELK CHAPEL, 1950, was a gift to Queens by the families and associates of William Henry Belk and Dr. John M. Belk, in their honor. Greek revival in architecture, it is equipped with a 39-rank organ and seats 750. It is used for chapel and for other religious services and meetings. The Belk families have been loyal and generous supporters of the college.

TREXLER COLLEGE CENTER, 1993, honors long-time Queens trustee Charles B. Trexler and his children. Designed to be the "living room" of the college, the Trexler Center is located at the geographic center of the campus. It offers a living room, snack bar, game room, meeting room and a private dining facility -- the Claudia Belk Dining Room. A stairway connects the Trexler Center with the post office and bookstore in the basement of Morrison Hall.

MORRISON HALL, 1927, includes a large dining hall that was redecorated in 1988, a kitchen, the college post office, the college bookstore, ceramics and sculpture studios and auxiliary rooms. The building is named for its donor, Mrs. Cameron Morrison, wife of a distinguished governor of North Carolina.

E.H. LITTLE FINE ARTS CENTER, 1966, contains the Charles A. Dana Auditorium, which seats 1,000 for concerts, recitals, plays and lectures. The center also contains the Suzanne Trezevant Little Recital Hall, an exhibition gallery, studios, practice rooms, classrooms for music and drama, and music offices that include a library of music, miniature scores and recordings. Major donors of this facility were prominent philanthropists E.H. Little and Charles A. Dana.

JERNIGAN BUILDING, 1914, houses the Business Office, the student bank and the Office of Student Development. Dr. Charlton Coney Jernigan was president of Queens from 1951-53.

DANA CLASSROOM BUILDING, 1961, honors Charles A. Dana, a generous benefactor of Queens College. It contains classrooms, seminar rooms for smaller classes, a language laboratory, a large lecture hall and faculty offices. Home of the McColl School of Business, Dana Building also houses the offices of Hayworth College, the Graduate Programs and Executive Programs.

MCEWEN HALL, 1914, was renovated in 1989 to provide a classroom complex for the Foundations of Liberal Learning Program. The building, named for the late Dr. Mildred Morse McEwen, alumna and professor emeritus of chemistry, also includes other classrooms and a number of faculty offices.

OVENS ATHLETIC CENTER, 1954, includes a large gymnasium, classrooms, a dance studio, a weight room and a swimming pool. Extensive renovation and remodeling took place in 1989 with the expansion of Queens' athletic programs. David Ovens, business executive and merchant, was a Queens trustee and benefactor.

WALKER SCIENCE BUILDING, 1966, contains laboratories, classrooms, faculty offices and research facilities for biology, chemistry, physics and mathematics. It also houses Queens' Computing Services Center. The building was named for Dr. Edwin R. Walker, a former president of the college.

WATKINS HALL, 1914, houses the art department and exhibition galleries. It is named for Miss Mildred C. Watkins, member of the faculty from 1895-1909.

IRWIN-MCKAY STUDENT HEALTH CENTER, 1958, provides seven hospital beds and rooms for consultations and treatment. It was a gift of Thomas M. Belk, and his wife, Katherine McKay Belk, honoring Dr. John R. Irwin, Dr. Henderson Irwin and Dr. Hamilton W. McKay.

ALBRIGHT RESIDENCE HALL, 1964, is named in honor of Miss Thelma Albright, former dean of students and a long-time faculty member at Queens.

THE WILLIAM H. BARNHARDT CENTER, a dormitory facility completed in 1965, honors Mr. and Mrs. William H. Barnhardt. A prominent and devoted supporter of the college, Mr. Barnhardt was a member of the board of trustees.

BELK RESIDENCE HALL, 1954, honors the late Mrs. William Henry Belk, alumna, trustee and benefactor. The hall was a gift to Queens from Mrs. Belk's sons and daughter.

HARRIS RESIDENCE HALL, 1954, honors the late James J. Harris, chairman of the Board of Trustees, and his late wife, Angelia Morrison Harris, both loyal and devoted supporters of the college.

LONG RESIDENCE HALL, 1914, is named for Miss Lily W. Long, who served the college for half a century and was president from 1891-1899.

WALLACE RESIDENCE HALL, 1962, honors Mr. and Mrs. J.M. Wallace and family. Mrs. Wallace was an alumna, and J. Mason Wallace Jr. was a college trustee.

OTHER BUILDINGS immediately adjacent to the campus include Harris House and Withers House, the home of Queens' Continuing Education.

Other buildings on the campus are named for Dr. Elizabeth H. Blair, former dean of instruction; Mr. and Mrs. W.Z. Stultz, donors; and Miss Laura A. Tillett, professor emeritus of English. These buildings are used for administrative and instructional purposes.

The buildings on the Queens campus are of traditional architectural design, having been constructed before the adoption of contemporary building access standards. Accommodations for persons with disabilities are added as buildings are remodeled.

SPECIAL ACCESS. All or parts of Albright Residence Hall, Dana Classroom Building, Everett Library, Irwin-McKay Student Health Center, McEwen Building, Morrison Dining Hall, Tillett Building, Wallace Residence Hall and Watkins Hall are accessible for persons with disabilities.

Further information regarding facility campus access may be obtained from the dean of student development.

THE COLLEGE LIBRARY. Everett Library is located at the center of the campus and was built through the generosity of Herschel Hill Everett, chairman of the board of trustees from 1952-67, and his wife, Cornelia Nisbett Everett.

The library collection -- the core of the academic community -- is designed to support all programs of the college. More than 118,000 books and bound periodicals and 25,000 U.S. government documents are available in open stacks for student use.

In addition, the library currently subscribes to over 600 periodicals and retains the New York Times on microfilm from 1910 to the present and the Wall Street Journal from 1987 to the present.

The collection, which grows at a rate of 2,000 volumes a year, receives additional support from endowments established by the Friends of the Library.

The Margaret Louise Chapman Instructional Media Center is located on the lower level of the library. Donated by the Friends of the Library in 1982, it is a full-service media center with equipment and facilities for the production and use of audio, video, film and photographic software. Production, listening and viewing rooms are available, as well as personal computers and computer terminals linked to the Digital VAX in the Computing Services Center.

Also on the lower level is the Curriculum Laboratory, which houses the education department's collection of state-adopted textbooks and other materials for classroom use.

During the two main academic sessions, the library is open from 8 a.m. to 1 a.m. Monday through Thursday, from 8 a.m. to 6 p.m. on Friday, from 10 a.m. to 6 p.m. on Saturday and from 2 p.m. to 1 a.m. on Sunday. The schedule for examination weeks is extended and the schedules for semester breaks and summer sessions are reduced.

Students have free access to the stacks and may receive instruction in the use of the library at any time. The library encourages use by Queens students, faculty and staff, alumni, Friends of the Library, ministers of the supporting presbyteries, and other individuals with special permission.

Everett Library has been enriched by its Friends of the Library organization. Founded in 1971, this community group hosts popular, annual "book-and-author" events; contributes significantly to the interior decor of the building; funds the Browsing Collection; and has established a Special Collections Room in memory of Rena C. Harrell, Queens' first librarian. This special room houses a collection of Charlotte imprints, books on the history of Mecklenburg County and materials relating to the history of Queens College. Thanks to an anonymous gift received in April 1994, the library will have an automated catalog system by December 1995.

COMPUTING SERVICES. Computing services for both academic and administrative users are coordinated by the staff of the Computing Services Center, located in the basement of Walker Science Building. The Computing Services Center houses the IBM AS/400 central processor and control center for the college's integrated administrative software system and high capacity fiber optic network. This center and network provide distributed computing capabilities to all administrative offices of the college, support for the college's admissions telecounseling center and library's automated operations, as well as access to the Internet for faculty, students, administrators and staff. Faculty members, administrators and staff also have access to individual personal computers with software appropriate to their needs. Student access to computers on campus is provided through the facilities described below.

The **Dickson Microcomputer Lab** is located in the basement of the Walker Science Building, adjacent to the Computing Services Center. This lab has 20 IBM-compatible 386/486 level personal computers with color monitors. Each PC has network access to the Internet and student E-mail accounts. Software available in the center

includes both DOS and Windows operating systems and related application software including DOS WordPerfect and Windows Word, Excel, and MS Works. The lab also includes a mixture of dot matrix and deskjet printers. The lab is used to support academic courses and serves as a resource for faculty and students. The lab is staffed during primary usage times each day and is open on request 24 hours per day when classes are in session.

The **GE Computer Service PC Teaching Lab** is located on the third floor of the Dana Building. This lab is used exclusively for classroom teaching and is equipped with 20 386/486 PCs with color monitors and deskjet printers. Each PC is equipped to run the Windows operating system and has Microsoft's Office Pro suite of application software available.

The **Science Computing Lab** and **Chemistry Computing Lab** are located in the Walker Science Building. The Science Lab is used by science and mathematics classes and is equipped with one Pentium and five 386/486 PCs running science and math application and modeling software. The Chemistry Lab has one 486 PC used for chemical modeling.

The **Writing Lab** is located in the McEwen Building. This lab has four 386/486 PCs equipped with word processing software and printers and is used to enhance student writing skills.

The **Psychology Lab** is located in the McEwen building. This lab has a combination of Apple Macintosh and IBM compatible PCs, including a 486 PC with SPSS statistical analysis software.

The **Curriculum Resource Center** and **Media Center** are located in Everett Library. They have a combination of 386/486 and Apple Macintosh PCs with specialized education software, word processing software, printers and access to the Internet through the campus network.

PCs are available for instructional use in certain classrooms and PCs and printers are also available for student use in each residence hall.

History

Queens was founded in 1857 as the Charlotte Female Institute, then located on College Street near the center of the city. For five years after 1891 it was called the Seminary for Girls and after affiliating with the Presbyterian Synod of North Carolina in 1896, it became known as the Presbyterian College for Women. In 1912, anticipating the move to its present campus in the Myers Park residential area in 1914, it became Queens College.

That name revived pre-Revolutionary traditions, for in 1771 a group of North Carolina colonists sought a royal charter for a Queens College, to be located in the town of Charlotte, which was named for the British queen, Charlotte of Mecklenburg. George III refused the petition, doubting the wisdom of creating an institution to perpetuate non-conformist views favored by the Scotch-Irish Presbyterians who had

settled in Piedmont Carolina. A school was chartered in 1773, however, under the unusual name of Queens Museum. During the Revolution, it sympathized with the colonial cause and became known as the Liberty Hall Academy.

The academy's post-Revolutionary history is sketchy, but in 1821 the Male and Female Academy Corporation was chartered to operate the Liberty Male Academy, the precursor of Davidson College, and the Charlotte Female Academy, the precursor of the Charlotte Female Institute.

In 1930, Queens became related to the Presbyterian Synod of South Carolina through a merger with Chicora College in Columbia, S.C. (formerly in Greenville). With the creation of the Synod of the Southeast in 1973, Queens' official church relationship was extended to include Presbyterians in Georgia as well as those in the Carolinas. Subsequent restructuring of the Presbyterian Church has given Queens ties to both the South Atlantic and the Mid-Atlantic synods.

In the aftermath of World War II, Queens admitted its first male students in a non-residential status.

A coeducational Evening College, the forerunner of both the present Hayworth College (formerly New College) and Continuing Education program, was created in 1948. Queens' first post-baccalaureate degree program, the master of business administration, was begun in the spring of 1980. It, too, admitted both women and men.

In 1987, Queens College became fully coeducational and adopted an ambitious and innovative plan for expanding and enhancing the curriculum. That plan produced the Foundations of Liberal Learning and the International Experience programs, which were put into place in 1989.

The Hugh L. McColl Jr. School of Business was established in 1993 to unify and strengthen the college's programs in accounting, business administration and computer information systems.

STUDENT LIFE AND STUDENT SERVICES

Student Life

Queens College realizes that, as important as academic activities are, much of a student's education occurs outside the classroom. Day-to-day living experiences and campus activities are valuable components of a well-rounded education. Through group participation and interaction, students come to know themselves as individuals, to realize their opportunities and to be creative members of the college community. To stimulate this process, the college encourages student initiative and responsibility through student government, the honor system and a variety of student organizations and activities.

THE HONOR CODE. Queens College is firmly committed to principles of honor and prides itself on the spirit of trust that exists among all of its members. At the very heart of Queens College is the Honor Code. The Honor Code is based on the principle that a spirit of trust should pervade all aspects of student life. Its essence is that any violation of the Honor Code is an offense against the community.

The Honor Code at Queens College is the keystone of the college's belief that its students should act honorably and responsibly in all aspects of life, both on- and off-campus. The Honor Code incorporates the high principles of honor and integrity in both personal conduct and academic work. The purpose of the Honor Code is to assist in the development of mature women and men who act responsibly at all times and to promote a community based on the principles of responsible citizenship, mutual trust and respect. The Honor Code is binding on all members of the college community and applies to all phases of life at the college.

An effective Honor Code depends upon each student's adhering to the spirit and the letter of its principles. It demands accountability on the part of each student for his or her actions and for those of his or her peers. Queens students are responsible for their personal conduct at all times and shall be subject to discipline, including possible suspension, for behavior that discredits themselves or the college.

As a commitment to this system of honor, students are asked to sign the Honor Code as part of their application for admission. The Honor Code incorporates two different pledges of student conduct: the academic pledge and the community pledge. In addition, it embodies the individual's commitment to developing a community of honor, including taking action against those who violate the Code:

As a member of the Queens College community, I will endeavor to create a spirit of integrity and honor for its own sake at Queens College.

Academic Pledge: I pledge truthfulness and absolute honesty in the performance of all academic work.

Community Pledge: I pledge to be truthful at all times, to treat others with respect, to respect the property of others and to adhere to college policies.

Accepting both the privileges and responsibilities of living by this code of honor, I resolve to uphold this code and not to tolerate any violations of its spirit or principles.

CONVOCATIONS. Queens College holds three major convocations during each academic year. These are important events that help develop a spirit of unity, fellowship and common purpose in the Queens community. Attendance at convocations is required of all full-time students in the College of Arts and Sciences.

STUDENT GOVERNMENT ASSOCIATION. Queens students govern themselves through the Student Government Association (SGA), which is divided into four branches: the Senate, the College Union Board, the Judicial Branch and the Publications Board.

1. The Senate consists of student representatives from each class. It oversees the operation of all student organizations on campus, supervises the disbursement of student activity fees to each student organization and handles student concerns regarding campus matters and policies.
2. The College Union Board (CUB) is composed of committees which collectively plan programs to enhance the social, recreational, cultural, religious and educational experience at Queens. Several committees carry out the work of the CUB including the following:
   - Billboard Committee -- designs and decorates the CUB billboard for upcoming events.
   - The Cultural Events Committee -- organizes diverse and innovative acts for the campus along with striving to improve cultural awareness on campus.
   - The Film Committee -- coordinates movie showings and film fests (both indoor and outdoor) for the campus. Movies include both current hits and film classics.
   - Lectures Committee -- plans educational and entertaining lectures for the Queens community.
   - Recreation Committee -- plans recreational activities including intramural games, trips to local museums and zoos, and Midnight on Ice.
   - Religious Life Committee -- promotes activities to help increase religious activity and awareness on campus. Events include retreats, concerts and Moravian Love Feast.
   - Social Committee -- sponsors concerts, comedians, lawn concerts, karaokes and dance parties for the campus.
   - Special Events Committee -- plans two end-of-the-semester events each year: Casino Party in the fall and Spring Carnival in the spring.
   - Technical Committee -- oversees set-up and take-down of all events and operates sound and light equipment for performers.
3. The work of the Judicial Branch is carried out by three separate bodies. Alleged violations of the Academic Pledge of the Honor

Code are heard by an Honor Council consisting of eight students and two faculty advisors. The Campus Judicial Board, composed of class representatives, elected student officers and two advisors, hears cases of alleged violations of the Community Pledge of the Honor Code. These two judicial boards conduct investigations and hearings, determine the verdict and impose sanctions when warranted. An Appeals Board automatically reviews all cases involving suspension or expulsion. Other cases may be appealed on one or more of the following conditions:

- The original hearing was not conducted according to established procedure.
- New evidence or facts exist which were not brought out in the original hearing.
- Sanction(s) imposed were excessive or inappropriate for the offense committed.
- There was evidence of discrimination based on age, race, sex, national origin, religion, sexual preference or the exercise of First Amendment rights.

4. The Publications Board is made up of the editors and faculty advisors of campus publications. It oversees the selection of editors, assists in the preparation of budgets and develops publication policy.

STUDENT ORGANIZATIONS. Student organizations provide Queens students with many opportunities to develop self-confidence, leadership skills and a sense of social responsibility. At the beginning of each semester, each organization is represented at Activities Day. Students are able to meet members of the group and find out more information. There are more than 30 active student groups, representing community service, political, social, scholarly and religious interests.

PUBLICATIONS. *Areté,* the Queens College yearbook, is published annually and provides a pictorial and literary record of the year's events and activities. *Paw Print,* the student newspaper, is published regularly to keep the college informed of campus events and news and to serve as a forum for an exchange of ideas among students, faculty and administrators. *The Signet,* the college literary magazine, is published once a year, showcasing the creative writing and artistic talents of the Queens community.

CAMPUS RELIGIOUS LIFE. Queens College provides a climate conducive to the growth and nourishment of lasting religious values. Students are given the opportunity to develop their own religious beliefs by voluntarily taking part in regular campus chapel services, fellowship groups and retreats. The college chaplain is available to all members of the Queens community as they seek spiritual understanding and growth.

ATHLETICS. Queens College has been expanding its athletic opportunities and is a member of NCAA Division II. The college offers intercollegiate competition in nine sports. Women's teams compete in basketball, softball, soccer, tennis and volleyball, while the men field teams in basketball, soccer, tennis and golf.

RECREATION AND INTRAMURALS. Queens offers a varied recreation program that permits students to take part in a wide range of sports.

Ovens Gymnasium houses a large gym, a dance studio and a swimming pool. In addition, there are six tennis courts, three of which are lighted. The physical education department makes these facilities available to students on a regular basis through recreation nights and free-swim periods. Intramural teams often compete against each other in basketball, softball, table tennis, tennis and volleyball, with an occasional challenge from a faculty team.

HONOR ASSOCIATIONS, HONORS AND AWARDS. Several organizations have been established at Queens to recognize high achievement, both in scholarship and in campus leadership.

Alpha Psi Omega, the largest dramatic honor society in the country, began a chapter at Queens in the spring of 1994. Membership is based on points accrued by working in either the performing or technical aspects of theater. Work may be done at Queens or in professional community theaters.

Beta, Beta, Beta. The Tau Tau Chapter of the Beta Beta Beta National Honorary Biological Society promotes interest in the biological sciences and keeps students aware of new developments in the field. The chapter is affiliated with the North Carolina Academy of Sciences. Eligibility for membership is based on academic achievement.

Delta Omicron. Omicron Lambda chapter of Delta Omicron, an international music fraternity, was established at Queens in May 1959. The national organization was founded in 1909 at the Cincinnati Conservatory of Music. Membership is open to students doing major or minor work in music, to music faculty, to professional musicians and to concert artists. Scholarship of high quality is requisite to membership.

Janusian Order is an honorary organization that was established at Queens in 1937 and includes student selected form the sophomore class on the basis of outstanding leadership, citizenship and scholarship exhibited during their freshman year at Queens.

Mortar Board is a national senior honor society. Queens' -- the 200th chapter -- recognizes those students who have demonstrated not only outstanding scholarship, but who have made significant contributions as leaders.

Phi Alpha Theta. The Alpha Gamma Kappa chapter of Phi Alpha Theta, an international honor society in history, recognizes excellence in the study of history. A member of the Association of College Honor Societies, the society promotes history through the encouragement of research and the exchange of learning and thought among historians. It seeks to bring students, teachers and writers of history together intellectually and socially. Eligibility is based on academic achievement.

Sigma Theta Tau: Mu Psi at large is a chapter of Sigma Theta Tau International The Honor Society of Nursing founded in 1922. Students who have completed at least half the nursing major and demonstrate superior academic achievement and leadership potential are invited to join.

Sigma Upsilon is a fraternity for writers and was founded in 1906. The Cakes and Ale Chapter at Queens was established in May 1951. Membership is based on creative literary ability, interest and active participation.

Student Marshals are students who have achieved academic excellence; they are selected each year following Term I on the basis of class rank from a list of eligible degree candidates who are taking a full-time course load. They serve as ushers in academic processions at official college events.

Who's Who Among Students in American Universities and Colleges recognizes noteworthy student leaders on campuses throughout the country and registers them in a national collegiate publication. The students are selected on the basis of scholarship, leadership, citizenship, participation in co-curricular activities and the promise of future contributions to those areas.

In addition to membership in campus honor associations, Queens College recognizes a number of other honors and awards. These include scholastic honors such as the Dean's List and graduation with honors, creative writing awards, awards in a number of other academic areas, several athletic citations and the Diana Award.

Since 1948, the New York Southern Society has granted to Queens College the privilege of bestowing two Algernon Sydney Sullivan awards each year, one to an outstanding graduate and another to a person who has some other association with the college.

Mr. Sullivan, a distinguished lawyer and the first president of the Society, had such outstanding qualities of moral courage and personal inspiration that the Society created these awards to honor him and to commend others who might exemplify similar moral qualities.

Student Services

HOUSING. Queens views on-campus living as an integral part of the educational experience. Traditional-age students who are candidates for an undergraduate degree will live in residence halls unless they are married, reside with their parents or guardians or receive special permission for other residence by the Director of Residence Life.

There are five residence halls on campus, each with its own distinctive style. They range in size from 70 to 140 students and in type of accommodations from traditional double rooms to suites.

All first-year students are assigned to rooms and roommates by the Office of Residence Life. Other students choose their rooms in an order determined by their reservation fee and by lottery.

The college insurance program is designed to provide protection for college property and does not include the property of students or others. Students and their parents should review their insurance to be sure that coverage is extended to include personal effects while at college.

INTERNATIONAL STUDENTS. Queens College welcomes students from a variety of foreign countries and makes special efforts to make their stay rewarding and productive. The Admissions Office can

provide special information about language proficiency requirements, financial aid and housing. The International Experience Program office aids international students with immigration forms, academic advising and special opportunities in the Charlotte community.

COUNSELING SERVICES. Queens has professional counseling services available to students for personal counseling, ongoing growth or community referrals. The Counseling Center is located in the Health Center and appointments may be made by calling 337-2556. Counseling is confidential and there is no fee for short term therapy (approximately ten sessions).

Many other trained professionals are available on the Queens staff. Student development staff members, including resident coordinators and resident assistants, are given training in the rudiments of peer counseling and helping with referrals.

Referrals to off-campus psychologists and psychiatrists may be made by the Counseling Center staff when necessary. The cost of all off-campus therapy is the responsibility of the individual student.

If a student demonstrates that he or she is potentially harmful to himself or herself or to others, appropriate action will be taken. The student will be required to undergo a psychiatric evaluation and the appropriateness of the student's remaining on campus will be assessed. Personnel in the college counseling center will help the student and the student's family work out a suitable plan for assessment and treatment. The student may not return to the college until an acceptable treatment plan is in place. The student may be given a medical withdrawal (six-month minimum) from the institution, dependent upon the outcome of the psychiatric evaluation and the recommendations of the Counseling Center and Student Development. Counseling Center and Student Development personnel are responsible for assessing the student's readiness to return to campus after reviewing the treatment summary and follow-up recommendations. Queens is dedicated to providing students positive learning experiences, without any jeopardy to their ongoing mental well-being.

HEALTH SERVICES. All degree candidates enrolled in the College of Arts and Sciences are entitled to the services of the Irwin-McKay Student Health Center during the terms in which they are enrolled.

There is a specific procedure for medical coverage when the Health Center is closed. Following these guidelines helps maintain continuity of care and increases cost effectiveness of medical care for students.

In case of an emergency during normal hours of operation, students should go to the Health Center. If an emergency occurs outside of these hours, students should contact a member of the Queens residence staff to ensure speedy notification of a physician.

Medical care obtained off campus, including emergency room visits, lab charges and prescription medication, is the responsibility of the individual student. A health insurance plan is available through the college. Information regarding this plan is sent to each student.

Students must submit a completed medical history and physical examination form to the Health Center before enrolling at Queens. This

form initiates the student's medical file and facilitates preventive medicine.

North Carolina law mandates that all students present proof of having received certain immunizations. Students who have not received the specified immunizations will not be permitted to attend classes, nor will they be permitted to remain on campus. Immunizations are available at the Health Center, which retains immunization records for 10 years.

CAREER DEVELOPMENT. The Career Center engages students and alumni in an intentional career development process to increase job and graduate school options after graduating from Queens.

Many students enter college unsure of career interests and job availability. The Queens College Career Development Center offers comprehensive services to undergraduates and alumni to help them launch the career path which best utilizes their liberal arts education.

The Career Center promotes, counsels and teaches comprehensive career development skills for all College of Arts and Science students and alumni. Students and alumni learn to identify and implement career plans to achieve their educational and career goals through a process of:

- self-assessment (interests, skills, values and personality).
- career exploration (via books, career software, shadowing and mentoring).
- academic evaluation (both undergraduate choice of major and choice of graduate-level study).
- experiential learning (internships, part-time and summer jobs, volunteering).
- job search training and support.
- graduate school application preparation and support.

To help launch career plans after graduation from Queens College, the Career Center works with employers and graduate schools to locate and disseminate information regarding internships, graduate/professional school programs and options for volunteer, part-time, summer and full-time jobs. Queens is a member of the Metrolina Career Consortium, host of an annual job fair where students learn about employment opportunities through more than 50 organizations. Students are encouraged to attend numerous local and regional job fairs as well as professional association meetings. The Career Center also assists students and alumni with resume production, interview preparation, job search correspondence and obtaining references.

Prospective teachers are encouraged to establish a placement file including letters of recommendation. The placement file remains active for five years after the student graduates unless the office receives a written request for an extension.

To provide the college with employment and graduate school trends and record evaluations form recent graduates, the Career Center provides a Recent Graduate Trend Report.

Those students and alumni who keep their Career Center registration accurate and current will receive the most updated and extensive services.

Alumni who graduated prior to 1990 may discuss their need for services with a career counselor. These will be referred to a high-quality, fee-based career counseling service. Persons not enrolled in the College of Arts and Sciences may obtain a fee schedule and brochure from the Career Development Center.

ADMISSIONS, COSTS AND FINANCIAL AID

Admissions

Queens College admits students regardless of race, creed, age, sex, national and ethnic origin or handicap to all rights, privileges, programs and activities generally accorded or made available to students at the college. It does not discriminate on the basis of race, creed, age, sex, national or ethnic origin or handicap in administration of its educational policies, admissions policies, scholarship and loan programs and athletic and other college-administered programs.

FRESHMEN. Students applying to Queens should follow a college-preparatory program in an accredited high school. Four years of English, three years of mathematics, two years of a foreign language, two years of social science and one year of a laboratory science are recommended basic preparation.

In evaluating an application, the Office of Admissions considers the applicant's high-school record, especially the quality and amount of college-preparatory work; recommendations from the secondary school; scores from the Scholastic Aptitude Test (SAT) or The American College Testing Program (ACT); and the student's own stated objectives. Candidates for admission are encouraged to take achievement tests.

SAT and achievement test applications and information about testing dates may be obtained from secondary school counselors or from The College Board, Suite 250, 2970 Clairmont Road, Atlanta, GA 30329-1639. The CEEB code number for Queens College is 5560.

ACT applications and information about testing dates may also be obtained from secondary school counselors or from ACT Records, P.O. Box 451, Iowa City, Iowa 52240. The ACT code number for Queens College is 3148.

The college operates on a rolling admissions basis. Beginning October 15th of each academic year and weekly thereafter, completed applications are presented to the Admissions Committee for action. Generally, applicants are notified of the college's decision within 30 days of our receipt of a completed application.

Accepted applicants are requested to notify the college of their decision as soon as their college plans are firm or by May 1. Students must reserve their place in the incoming class by sending a reservation fee of $200 for resident students or $100 for commuting students. This deposit is applied toward tuition and room for the applicable term. The fee is non-refundable after May 1 for Term I and January 1 for Term II.

TRANSFERS. Queens welcomes transfer students from other accredited colleges and universities. They may apply for admission for Term I, Term II or summer term. Applicants must ask each institution they have attended to forward transcripts and statements of good standing to the Queens College Office of Admissions.

Transfer students are expected to have followed the recommended high-school curriculum and to have maintained a minimum 2.000 average on a 4.000 scale in previous college work. For liberal arts and sciences courses completed at other accredited institutions, credit usually will be transferred if the grade earned is C or better. Courses transferred from two-year institutions are classified as either 100- or 200-level courses.

ADULT STUDENTS. Queens welcomes adult students to the College of Arts and Sciences. Adult students are those who are 25 years of age or older at the time of their first entrance to the college. The adult program follows the same requirements as the traditional age student, except SAT or ACT test scores are not required, but recommended. The Office of Admissions and the Office of Student Development can provide additional information concerning the resources available to the adult student.

READMISSION. A degree candidate who has withdrawn in good academic and financial standing and who wishes to return to Queens may apply for readmission by submitting an application to the Office of Admissions. Transcripts of all work attempted at other institutions must be sent to the Office of Admissions.

SPECIAL STUDENTS. Students who are not candidates for a degree but who wish to enroll for credit may apply as special students.

Special students who do not hold a bachelor's degree are limited to a cumulative total of 15 credit hours. A student holding a bachelor's degree is allowed the privilege of unlimited credit hours. The availability of space may limit enrollment in some courses. Special students must maintain at least a 2.000 average to continue their enrollment.

A special student who wishes to become a degree candidate must apply through the admissions office.

Persons interested in teacher certification who have already earned a bachelor's degree are admitted as special students. They should consult with the Director of Admissions regarding admission and are expected to complete 12 credit hours successfully at Queens before undertaking student teaching.

VISITING STUDENTS. Regularly enrolled students in good standing at other colleges may apply as visiting (transient) students at Queens. Generally, a visiting student is admitted for only one term; however, visiting students may re-apply for additional terms. Application materials may be obtained from the Office of Admissions. Students must have the appropriate official from the parent college submit a letter stating that the student is enrolled in the college, is in good standing and has permission to enroll in courses at Queens to be transferred back to the parent institution.

ADVANCED PLACEMENT. Students who have completed college-level work in their secondary schools should take the appropriate Advanced Placement (AP) test administered by the College Entrance Examination Board (CEEB). In most areas, Queens grants

advanced placement and course credit automatically if the student scores either four or five on such tests. Advanced placement may be granted for a score of three, but decisions on the amount of credit to be awarded are made by the vice president for academic affairs in consultation with the department in which credit is granted. Advanced placement in English is given for literature courses only.

All applicants who have taken Spanish, French, Italian or German in secondary school and who wish to continue study in that language at Queens should take a language achievement test for purposes of placement. Students who do not take the CEEB language achievement tests may take a language placement test after enrollment at the college.

Queens also awards credit and advanced placement to students who score satisfactorily on approved subject level tests of the College Level Examination Program (CLEP). Credit will not be granted if it duplicates credit already earned. Neither grades nor quality points will be awarded, nor may CLEP credits satisfy the final 30 hours required for graduation from Queens.

ACCELERATED ADMISSIONS. Students with superior academic records may apply for admission during their junior year in high school. They must submit transcripts, recommendations and SAT scores or ACT scores and schedule a conference with an admissions counselor. In some states local school authorities will grant a high-school diploma after a year of college work; any such agreement is the responsibility of the student and the local authorities. A student may also obtain a high-school equivalency certificate by examination.

For students who have made plans for graduate school or professional study, accelerated admissions is one way of shortening the time before they can begin their careers.

INTERNATIONAL STUDENTS. Queens College welcomes international students. Candidates must provide the Office of Admissions with a completed college application for admission accompanied by the payment of a $25 filing fee. Applicants must ask each institution that they attended to forward their transcripts to the Office of Admissions. Transcripts must be translated into English by an official at the high school or college issuing the transcript.

It is recommended that international students take the SAT. Any student for whom English is not the first language must satisfactorily complete the Test of English as a Foreign Language (TOEFL) with a minimum score of 550 and have the score sent to the Office of Admissions. Information may be obtained by writing to the TOEFL Program, Educational Testing Service, Box 899, Princeton, N.J. 08541. The TOEFL code number for Queens College is 5560. Registration arrangements should be made at least two months before the testing date.

International students also are required by the Immigration and Naturalization Services to submit a confidential certified financial statement indicating the amount of funds available for their education in the United States.

HIGH-SCHOOL DUAL ENROLLMENT. Any student who is a junior or a senior in a Charlotte-Mecklenburg area secondary school may enroll for courses at Queens during any term when recommended by the secondary school. Credit earned under the dual-enrollment program may be used at Queens or another institution as college credit when the student enrolls as a degree candidate. A high school student who wishes to become a dual enrollee must apply through the admissions office.

MEDICAL REPORT. All applicants who accept the college's offer of admission must submit a complete medical history, including a physician's certified record of immunizations. Medical forms are mailed to enrolling students and must be filed with the college prior to registration.

ALUMNI ADMISSIONS REPRESENTATIVES. Local alumni representatives are available to talk with prospective students in a number of cities throughout the country. Their names and addresses may be obtained from the Office of Admissions.

CAMPUS VISITS. Prospective students and their families are encouraged to visit Queens. They are welcome at any time, but will find visits more beneficial if they are scheduled when the college is in session. The Office of Admissions is open from 8:30 a.m. to 5 p.m. on weekdays throughout the year and until noon on Saturdays by appointment.

Each year a series of special open houses is scheduled for prospective students and parents. Interested students should write or call the Office of Admissions (1-800-849-0202) for further details.

IN SUMMARY. Because the number of places in the Queens student body is limited, prospective freshmen should apply for admission early in the senior year of high school. Application forms should be obtained from the Office of Admissions and should be returned with a non-refundable $25 application fee. Students should request that their transcripts, SAT or ACT scores and recommendations from the secondary school be sent to the Office of Admissions. Transfer students must request transcripts from high school and each college attended. The Office of Admissions will act on an application as soon as all information has been received. Accepted resident students are requested to mail a deposit of $200 to accept the Queens offer of admission. Commuting students are requested to mail a deposit of $100. For resident students, deposits are refundable until May 1 for fall term and January 1 for spring term. Deposits for commuting students are refundable up to 30 days prior to each registration day.

Costs

While the Board of Trustees reserves the right to adjust the fee schedules at Queens at any time, the following basic fees have been established for 1995-96.

FULL-TIME STUDENTS. Full-time students pay the College of Arts and Sciences full-time tuition rate, which also includes student activity fee, student accident insurance policy and other services for regular full-time students registered for 12 or more credit hours in each of Terms I and II. Resident students also can receive some basic Health Center services at no additional cost. Commuting students requesting Health Center services pay for such services as received.

	Fall	Spring	Annual
Tuition	$5,760	$5,760	$11,520
Room	$1,465	$1,465	$2,930
Board	$1,120	$1,120	$2,240

In addition to tuition, full-time students pay any lab fees applicable, as specified in the Course Listing section of the *Catalog*. All resident students are required to participate in one of the meal plans (described below).

PART-TIME STUDENTS. Part-time students (11 or fewer credit hours per term) not residing in the residence halls pay tuition of $205 per credit hour during Term I and Term II. Part-time students pay a registration fee of $20 per term. In addition to this tuition and registration fee, part-time students pay any lab fees applicable, as specified in the Course Listing section of the *Catalog*.

Part-time students residing in the residence halls pay full-time tuition rate described above, regardless of the number of credit hours for which they are registered. Part-time students paying this the full-time tuition rate do not pay tuition at the per-credit-hour rate or the $20 registration fee. Any lab fees do apply, however, as specified in the course listing section of the *Catalog*. A part-time student must obtain permission from the Director of Residence Life to live in the residence halls.

Part-time students not paying the full-time tuition rate pay for Health Center services as received.

RESIDENCE HALLS. Double-room residence hall accommodations are included in room rate of $1,465 per term. If space is available, a student may choose to have a private room for an additional $500 per term. Details of the private room policy are available in the Office of Student Development.

Damages to residence halls are billed after the end of each term and are payable when billed.

TELEPHONE/CABLE TELEVISION. Each residence hall room is equipped with a telephone line and cable television service. Students need to provide their own personal telephone and television.

MEAL PLANS. All resident students, both full-time and part-time, are required to participate in one of the meal plans provided by the college. The cost is $1,120 per term.

Students with special dietary needs should have a physician outline these needs in a letter to the dean of student development so that the meals can be prepared accordingly.

OTHER ACADEMIC FEES

Reservation Fee. A reservation fee is required for new students on acceptance of admission to the college and for returning students in the spring. The fee for resident students is $200 and for nonresident students, is $100. The reservation fee is refundable for new students prior to May 1. This fee is applied toward costs for the applicable term.

Orientation Fee. An orientation fee is required for all new full-time students. This fee is $50 and is included in the fall term billing mailed in July, payable by August 1.

Lab Fees. Specific lab fees are given in the course listing section of the *Catalog*. Approximate fees per course are as follows:

Art course fees	$25
Liberal Learning fees (range)	$11-$57
Music (weekly, private lessons per half hour):	
Full-time students	$75
Part-time students	$100
Nursing course fees	$25
Physical education course fees:	
Horseback riding	Approx. $180
Other courses	$25
Science lab fees	$25

Audited Courses. The tuition status of a student taking an audited course is determined by combining the number of credit hours the audited course carries and the number of credit hours taken by the student in non-audited courses. If this total is 12 or more, the student pays the full-time tuition rate, plus any lab fees applicable. If this total is less than 12, the student pays tuition of $205 per credit hour for all hours in this total, plus the part-time registration fee of $20 per term and any lab fees applicable.

Dual Enrollment (College of Arts and Sciences and Hayworth College or Graduate Programs). Degree candidates in the College of Arts and Sciences taking a total of 12 or more credit hours pay the full-time tuition rate regardless of the division of their credit hours between the College of Arts and Sciences and the Hayworth College or Graduate Programs. Degree candidates in the College of Arts and Sciences not paying the full-time tuition rate pay tuition per credit hour for all courses.

Teacher Certification Students. Persons interested in teacher certification who have already earned a bachelor's degree will not be required to pay the College of Arts and Sciences full-time tuition rate. Instead, these students pay tuition of $205 per credit hour, plus appropriate lab fees and the $20 registration fee.

Center for Career Development Fees. Career Center services are available at no additional charge for College of Arts and Sciences students with a few unique programs. Alumni who graduated more than five years ago may discuss their need for services with a career counselor. These alumni will be referred to a high-quality, fee-based

career counseling service. Persons not enrolled in the College of Arts and Sciences may obtain a fee schedule from the Career Center.

Special Fees.

Application Fee (non-refundable) $25
Diploma Fee (part-time students only) $70
Part-time Registration Fee $20
Late Registration Fee $10
Private Room Fee per term $500
Transcript Fee, expedited service only $15
Parking Permit
Full-time students (designated lots) ..... per year $90
Part-time students ..... per term $35

OTHER EXPENSES

Insurance. All full-time students are eligible for coverage under the Student Sickness Insurance Plan and will be covered unless an exemption request form is filed with the college. Brochures outlining the coverage and costs are sent to all full-time students during the summer.

All full-time students are covered automatically by the Student Accident Insurance Plan. Claim forms for these insurance policies are available in the Health Center.

Telephone and Cable Television Service. Residence hall rooms are equipped with a telephone line and cable television service. The cost is included in the basic room charge. Students need to provide their own personal telephone and television.

Challenge Examinations and College Level Examination Program (CLEP). The fee for each internally set Queens College challenge examination is $100. The fee for nursing challenge examinations is defined by the National League for Nursing and can be obtained from the Division of Nursing. The fee for each CLEP test is $50.

Miscellaneous Expenses. The cost of books and supplies varies with courses taken, but the average expense is $600 per year. Non-college expenses such as travel, clothing, entertainment and incidentals vary according to individual student needs. Students joining sororities or fraternities will have additional costs for initiation, dues and special assessments. Laundry is not included in the comprehensive fee. (Coin-operated machines are available in each residence hall.)

While the full-time tuition rate provides for basic Health Center services for resident students, all students are responsible for paying any charges for special visits, consultations, medicines, laboratory work and hospitalization.

PAYMENT REGULATIONS. Upon signing the application for admission, the parent or guardian (or the applicant, if not a minor) accepts as binding all fees and regulations set forth in the *Catalog*.

1. Fall term tuition and room and board fees, less reservation fee paid, are payable by August 1, 1995, and the spring term tuition, room and board fees are payable by December 6, 1995.
2. Part-time students pay upon registration for each term.
3. Payments are accepted via check, cash, MasterCard or VISA.
4. Students who do not wish to pay in full at the beginning of each term may be interested in the following programs offered by Tuition Management Systems (TMS). See also "Employer Assistance Deferment Plan" below.
    a. **Installment Plan for Full-time Students.** The annual tuition, room and board fees may be paid in ten monthly installments (June through March) each year. Payments may begin after June by remitting two installments if beginning in July or three installments if beginning in August. The annual enrollment fee is $45. Information on this program is sent to all full-time students during the summer and is available in the Business Office.
    b. **Installment Plan for Part-time Students.** Payment for fall term may be made in four equal installments, payable at registration and by the 25th day of September, October and November. Payment for spring term may be made in four equal installments, payable at registration and by the 15th of February, March and April. Summer payment dates are published in the spring prior to registration for the summer term. A deferment fee of $55, payable upon registration, is incurred each term tuition is deferred under this plan. A late payment penalty is incurred if an installment is not paid by the due date. The college reserves the right to deny participation in this plan to students on the basis of their payment history with the college.
    c. **Unsecured educational loans.** There is a variety of student and parent loans available. Information on these loans is available in the Queens College Office of Financial Aid.
5. A student is not permitted to attend classes until satisfactory arrangements have been made to meet all financial obligations. Continued class attendance is contingent upon maintaining good financial standing throughout the term.
6. Diplomas, certificates and transcripts are granted only when the student's accounts have been paid in full.
7. Credits for financial aid are divided equally between the fall and spring terms.

TYPICAL FULL-TIME STUDENT PAYMENT SCHEDULE

	Resident	Commuter
Due upon acceptance:		
Reservation fee	$200	$100
Due by August 1:		
Fall tuition, less reservation fee	$5,560	$5,660
Fall room	$1,465	
Fall board	$1,120	
Sickness insurance annual premium (optional)	$180	$180
Orientation fee (new students only)	$50	
Due by September 25:		
Fall lab fees (determined at registration when specific courses are finalized)	xx	xx
Due by December 6:		
Spring tuition	$5,760	$ 5,760
Spring room	$1,465	
Spring board	$1,120	
Due by February 15:		
Spring lab fees	xx	xx

EMPLOYER ASSISTANCE DEFERMENT PLAN. The Employer Assistance Plan (EAP) is a deferment plan available to students whose employer will reimburse them for tuition at the end of the term. Under this plan, tuition for fall term is due by January 22, spring term by June 1, and summer term by September 21. Students wishing to apply for this plan must submit the EAP application form to the Business Office. These forms are available in the Business Office and the Office of Adult Admissions. A deferment fee, payable upon registration, is incurred each term tuition is deferred under this plan - $50 for the first course and $25 for each additional course. A late payment penalty is incurred if a payment is not made by the due date. The college reserves the right to deny participation in this plan to students on the basis of their payment history with the college.

WITHDRAWAL FROM A COURSE. Students who withdraw from a course during the first ten days of the term will have their tuition reimbursed for that course. There will be no tuition refunds for course withdrawals after September 12 in the fall and after January 19 in the spring.

WITHDRAWAL FROM THE COLLEGE.

Withdrawal—Illness. Students who withdraw from the college during the academic year as a result of illness will have tuition, room, board and lab fees prorated as of the date of withdrawal, provided the physician recommends withdrawal in a letter to the director of the College of Arts and Sciences.

Withdrawal—Academic Ineligibility. A student determined by the Student Qualifications Committee to be academically ineligible to return will receive a refund if the student has made payments or has a credit balance toward the next term's tuition and fees. Such decisions are made at the end of each term.

Withdrawal—Other Reasons. Students who withdraw from the college or from one or more courses on their own initiative and students who are suspended by the college will have tuition, room, board and lab fees for the current term prorated according to the following schedule:

Withdrawal Date	**Percent Refunded**
First day of classes	100%
Less than two weeks into the semester	90%
Two to four weeks into the semester	50%
Four to eight weeks into the semester	25%

Students who feel that individual circumstances warrant exception to this policy may appeal to the Financial Policies Committee, provided such appeal is made in writing to the Treasurer/Business Manager before the end of the term for which proration is requested.

Withdrawal Involving Financial Aid. If the college determines that the student is due a refund and all or part of the student's institutional charges were paid with financial aid funds, all or a proportional part of the total refund must be returned to the Title IV and NC Legislative Tuition grant programs and may be returned to other State and Queens financial aid programs.

The amount to be returned will be determined according to the formula mandated by the US Department of Education. In accordance with federal regulations, Queens will credit refunds to financial aid programs in the following order:

1. Outstanding balances on Federal Family Education Loan Programs (including Stafford, SLS and PLUS)
2. Outstanding balances on Federal Direct Loans
3. Outstanding balances on Federal Perkins Loans
4. Federal Pell Awards
5. Federal SEOG Awards
6. Awards under the FWS Program
7. North Carolina Programs
8. Queens College Programs

A detailed worksheet of refund policy is available in the Office of Financial Aid and is provided to students upon request.

Withdrawal—Academic Regulations. For further information about the withdrawal procedure, see the section on "Withdrawal from the College" under Academic Regulations.

Financial Aid

As a private institution that places the quality of the educational experience above other considerations, Queens realizes that the cost of attending college is a matter of overriding importance for many families. Applicants should not hesitate to apply for financial assistance. Queens will attempt to meet the demonstrated financial need of applicants and welcomes the opportunity to work with students and their parents. Although most awards are based on financial need, some aid is based on the academic and leadership abilities of applicants, whether or not they have demonstrated need.

FEDERAL PROGRAMS. *Federal Pell Grants* are available to eligible undergraduate students on the basis of financial need. The grants range from $400 to $2,340 per academic year. A student must complete the Free Application for Federal Student Aid (FAFSA) to determine the amount for which the student is eligible.

Federal Supplemental Educational Opportunity Grants (FSEOG) are available on an annual basis to full-time undergraduate students with extreme financial need. These grants range from $100 to $1,000.

The Federal Work Study (FWS) awards are made to students who demonstrate financial need. Each student awarded work-study will be placed in a campus job and will be paid monthly for hours worked.

Federal Perkins Loan Program permits students with established need to borrow up to $3,000 per year. Repayment begins six months after the borrower ceases to be at least a half-time student and may extend over a period of ten years. If the borrower enters certain public-service occupations, the loan may be canceled. These loans bear a five percent interest rate during repayment.

Federal Stafford Loan eligibility is determined by the Financial Aid Office. Loans are made by banks, credit unions, savings and loan associations and other agencies. Annual loan limits are $2,625 -- freshmen; $3,500 -- sophomores; and $5,500 -- juniors and seniors. Two types of Stafford Loans are available -- subsidized Stafford Loans (federal government pays interest during enrollment) and unsubsidized (borrower pays interest during periods of enrollment). Terms for the loans and applications may be obtained from participating agencies or from Queens' Office of Financial Aid. Students must complete a FAFSA to determine eligibility for Stafford Loans.

PLUS Loan Program (Parent Loans for Undergraduate Students) allows parents to borrow up to the cost of attendance minus any financial aid the student receives. Interest is currently 8.38 percent, but is variable and repayment begins after disbursement. Terms for the loans and applications may be obtained from participating banks or agencies or from Queens' Office of Financial Aid.

The amount of funds available to Queens students under FSEOG, FWS and Federal Perkins programs is determined by allocations made to the college each year by the U.S. Department of Education. *All federal programs are subject to revision of funding or regulation by congressional*

action. Students are encouraged to contact the Office of Financial Aid for the most up-to-date information on these programs.

NORTH CAROLINA PROGRAMS. *The State Contractual Scholarship Fund* is provided to Queens College by an act of the North Carolina General Assembly. Scholarships are available to full-time undergraduate students who are legal residents of North Carolina. This fund assists qualified students who demonstrate need.

North Carolina Legislative Tuition Grants (NCLTG) are available to North Carolina residents pursuing their first bachelor's degree and enrolled for 12 credit hours per term. In 1995-96, the NCLTG was $1,250.

The North Carolina Student Incentive Grant Program (NCSIG) provides grants up to $1,500 per academic year for eligible students who are North Carolina residents. Recipients must demonstrate substantial financial need and apply by completing the appropriate questions on the FAFSA and mailing it before March 15. Awards are determined by The College Foundation, Inc.

The North Carolina Prospective Teachers Scholarship Loan Fund is awarding scholarships in the amount of $2,000 for each regular school year. The criteria for awarding scholarships are measures of academic performance, including grade-point average, scores on standardized tests, class rank and recommendations of guidance counselors. Teaching in North Carolina public schools upon graduation allows cancellation of the loan at a prescribed amount per year of service. Application should be made to the Prospective Teachers Scholarship Loan Fund, State Department of Public Instruction, Raleigh, North Carolina. Further information is available in the Office of Financial Aid.

COLLEGE PROGRAMS. *Presidential Scholarships* are offered by Queens College to a select number of new students each year. In the 1995-96 academic year, these scholarships cover Queens' tuition after the NCLTG is applied (if applicable). If other scholarships are received, the scholarship may be reduced so that the cost of education is not exceeded. Presidential Scholarships are based strictly on academic achievement; financial need is not a factor in selection. Scholarships are renewable for three years based on academic performance.

Applicants usually rank in the top five percent of their high school class and have SAT scores of at least 1200.

Consideration may also be given to involvement in church or school activities, leadership and influence with peers and exceptional talent or interest in a particular field of activity.

Presidential Scholarships at Queens have been named for or established by the following:

James H. and Eleanor H. Barnhardt
Mr. W.R. Cuthbertson and children
Dowd Foundation
First Union National Bank
Alice Nichols Gilley
Judy Cochrane Gilman
Willie Choate Hampton
Alex Hemby Foundation
Annabel Lambeth Jones
David Gilchrist Jones
John Wesley Jones

Lou Finch Jones
Frances Carroll McColl
Virgilia Cole Moore
Jane Ellen Norman Nichols
Ruth Harding Stowe
Marguerite T. Trexler
Virginia Gray Vance

Queens Scholar Awards are available annually to new students who have exhibited outstanding records in scholarship and leadership. The amounts of these awards vary and they are renewable for three years based on academic performance.

Mecklenburg Scholars, chosen from the 11 public high schools in Mecklenburg County, are selected on the basis of academic achievement and demonstrated leadership. These scholarships cover full tuition, after the NCLTG is applied. They are renewable for three years based on academic performance.

Minority Scholars. Minority Scholarships are made to minority students with outstanding academic credentials and leadership records. The amounts of the awards vary, but range up to $20,000 over four years. Qualified African-American, Hispanic American, Native American and Asian American students may apply.

Carol G. Belk Scholarship Awards are available annually to outstanding new students. Recipients are chosen on the basis of their leadership records in school and community, academic ability and potential for continuing leadership at Queens. The amounts of these awards may vary and each is renewable for three years based on the student's academic performance.

Redd Special Achievement Awards are made annually to students who have demonstrated talent or ability in a special area. Amounts of these awards vary and they are renewable based on performance.

Dana Scholarships are awarded annually to students in each of the sophomore, junior and senior classes, who maintain outstanding records for scholarship and leadership. Recipients are selected, at the recommendation of the faculty, by the Faculty Honors Committee.

New Dimensions Fellowships are available to adult students making applications as degree candidates in the College of Arts and Sciences. Fellowships, ranging from $330-$2,000, are based on the student's academic achievement, scholarly promise, personal achievement and outstanding character; fellowships are not based on financial need. The number of awards vary per year based on financial availability.

Departmental Scholarships are available to a limited number of students with outstanding achievements in specialized areas. These scholarships are currently available in the departments of biology, chemistry, music and art.

Other named scholarships. In addition to merit-based scholarships, Queens awards many other scholarships on the basis of financial need. These include scholarships named for or established by the following:

Naomi G. Albanese
American Schlashorst
Robert C. and Sadie G. Anderson
Mr. and Mrs. William H. Barnhardt
Ann Everett Belk

Carol G. Belk
Dr. Andrew Blair
Elizabeth Blair
Blumenthal Foundation
Sarah Locke Blythe
Brevard Student Fund
Sara Doll Burgess
Clara H. Carswell
Cassels Scholarship
Cato Corporation
Challen Scholarship
The Charlotte Panhellenic Congress
Coca-Cola Consolidated
Dalton-Hutchinson
Charles A. Dana
Rose March Daniel
Helen Ellis
Rose Neel Evans
First Boston Corporation
First Presbyterian Church, Sumter, SC
J. Lee Flowe and Addie Belk Flowe
Donna Hanson Gillespie
Judith Cochrane Gilman
Ginter Foundation
Glaxo Foundation
Willie Hines Gwaltney
Hope and Pat Hall Scholarship
The Harman Fund
James J. and Angelia M. Harris
Wm. Randolph Hearst
James M. Johnston Trust
Carolyn M. Jones
Lou Finch Jones
Joseph Lammers Music Scholarship
Judy Moore Leonard
Hugh L. McColl Sr.
Foster G. and Mary W. McGaw
Mary W. McGaw
Carolyn G. McMahon
Donald D. McNeill
Merrill Lynch & Co. Inc.
Oscar Lee and Rose Evans Miller
Mrs. Ben W. Montgomery
NationsBank
Gertrude M. Norman
Nelle Evans Nye
J. Norman Pease and Ann Pease Gaskell
Alice Barron Pearce
Piedmont Club Foundation
Presser Foundation
Price-Waterhouse Foundation
Laura Janette Quattlebaum
Rankin-Cunningham
Dillon-Read & Company, Inc.
F.M. Redd and Bessie Flowe Redd
Robinson-Humphrey & Co., Inc.
Mary F. Ross
Salomon Brothers Inc.
Sanger Clinic
Lillian P. Seamon
George A. Shealy
Shelton Scholarship
Mr. and Mrs. J. Luther Snyder
Morgan Stanley & Company, Inc.
George Stegner
Worth Stewart
E. Lee Stoffle
Mr. and Mrs. R.L. Stowe
Kathryn L. Taylor
Carol Bishop Thornhill
Isabelle W. Trexler
UPS Foundation
Ufford-Northrop Wachtell, Lipton, Rosen and Katz
Wachovia Excellence in Business
May Ervin Wall
Lettie Pate Whitehead Foundation
James D. Wolfensohn Inc.

NATIONAL PRESBYTERIAN COLLEGE SCHOLARSHIP PROGRAM (NPCSP). Queens College is one of 65 Presbyterian-related colleges which participate in the NPCSP. The NPCSP affirms excellence in scholastic ability and leadership and encourages superior students to attend Presbyterian-related colleges. Funds for awards are provided by the colleges and the Presbyterian Church (USA) Vocation Agency. Applications are available to confirmed members of the Presbyterian Church (USA) through high school guidance offices and churches. All forms must be completed and received by December 1. Finalists are selected by a National Committee in mid-March. Scholarship amounts are determined on the basis of financial need.

PRESBYTERIAN LOAN FUND. The sum of $500 or $1,000 per year may be borrowed by undergraduate students who are members of the Presbyterian Church (USA) and who give evidence of financial need. Interest of eight percent is charged on the unpaid balance and payments and interest begin six months after the student leaves school. Full information is available from the financial aid office of the General Assembly Mission Board, Presbyterian Church, Atlanta, Ga.

MINISTERIAL TUITION REMISSION. Tuition remission is available to any full-time student who is the dependent or spouse of an active Presbyterian minister. Dependents of active ministers of the Presbyterian Church (USA) Mid-Atlantic synod receive a 20 percent tuition remission. Dependents of active ministers in all other synods of the Presbyterian Church (USA) receive a 15 percent tuition remission.

FAMILY TUITION REMISSION. Tuition remission is available to any incoming student whose family currently has one or more family members already enrolled at Queens in the College of Arts and Sciences on a full-time basis. A 10 percent tuition remission will be granted to the incoming member of the family, providing that two or more dependents will be enrolled in the College of Arts and Sciences on a full-time basis during the same academic year.

TO APPLY. To apply for financial assistance, students must have been admitted to Queens as degree candidates and must complete and submit the Free Application for Federal Student Aid (FAFSA). The form is available from Queens' Office of Financial Aid. The FAFSA also may be obtained from high school guidance counselors.

A copy of the family's federal income tax return, as well as other documentation, may be required for verification purposes.

Applications for financial aid should be submitted by entering students as early as possible after January 1 of their senior year. Students filing before March 1 will receive priority in funding.

FINANCIAL AID POLICIES. Most financial aid programs are renewable throughout the undergraduate years if the recipient demonstrates satisfactory progress toward graduation, but renewal of aid is not automatic. The Student Qualifications Committee evaluates students' progress and determines eligibility for continuing enrollment, according to the standards spelled out in the "Student Qualifications" section of this *Catalog*. Students receiving financial aid funds must meet

these minimum standards as well as a minimum credit-hour accrual indicating progress toward the completion of a degree. Standards for satisfactory academic progress are listed below.

Since renewal of financial aid is not automatic, rising sophomores, juniors and seniors must re-apply for assistance each year by completing the Renewal FAFSA provided to them by the U.S. Department of Education. The amount offered in grants, loans and work-study funds also may vary from year to year.

Financial aid recipients who withdraw during the school year and are due a refund under the established Queens refund policy must return an appropriate portion of the refund according to the policy entitled "Withdrawal—Financial Aid Policy."

Students receiving aid under certain programs are expected to assume weekly work assignments at the college. Assignments are determined by the amount of aid received and the student's particular interests and skills. Renewal of students' work-study assignments each year will be contingent upon financial circumstances as well as previous performance on the job.

Queens College reserves the right to review and modify an offer of financial aid should the recipient receive aid from other sources after the Queens award has been offered.

SATISFACTORY ACADEMIC PROGRESS POLICY. This policy is applicable to all students receiving financial aid from the federal or state government or from Queens College.

Evaluation of academic progress will be made at the end of the spring semester by the Financial Aid Officer. The academic year evaluated may include any combination of the prior summer term, fall semester and spring semester.

Students must maintain the grade-point averages required for their student class status as stipulated by the Student Qualifications Committee for continued enrollment at Queens College. These are found in the "Student Qualifications" section of this *Catalog*.

Students must show progress toward completion of degree requirements by completing minimum number of credit hours per academic year of enrollment. The credit-hour requirements are as follows:

Full-time undergraduate students

Academic Year Completed	Hours Successfully Completed
1	15
2	33
3	54
4	75
5	99
6	122

Part-time undergraduate students

Academic Year Completed	Hours Successfully Completed
1	6
2	15
3	24
4	36
5	48
6	60
7	75
8	90
9	105
10	122

Graduate Students

Academic Year Completed	Hours Successfully Completed
1	6
2	12
3	18
4	24
5	33

Undergraduate students may receive financial aid for a maximum of 150 percent of the published length of the degree. For example, if your degree requires 120 credit hours, you are eligible to receive financial assistance until you have attempted 180 credit hours. Graduate students have a maximum time frame of five years to complete their degree and receive financial assistance.

Transfer students are treated as first-year students for purposes of measuring academic progress. For example, a full-time student transferring 60 credit hours would be expected to complete a minimum of 15 credit hours during the first year at Queens, a total of 33 credit hours by the end of the second year, etc., so that by the end of the third year of enrollment, a minimum of 114 hours (54 + 60) would be applied toward degree requirements.

Repeated courses, course withdrawals, incompletes and course failures count as hours attempted but not completed.

Students who fail to meet these minimum standards of academic progress will be placed on financial aid probation for a period of one academic term. During the probationary period students may continue to receive financial aid provided they are otherwise eligible. Students have this period to re-establish satisfactory academic progress by completing the additional hours needed to meet the minimum standard and/or raising their grade-point average to the minimum standards. If, at the end of the financial aid probation period, the students are able to re-establish satisfactory academic progress, the probation period is lifted. If, at the end of the probation period, the students fail to re-establish satisfactory academic progress, they will no longer be eligible to receive financial aid until such time that the minimum standards are met.

Students placed on probationary or ineligible status may appeal such action to the Financial Aid Committee if they believe that

extenuating circumstances prevented them from maintaining satisfactory academic progress. Such appeals should take the form of a letter submitted to the Financial Aid Office within two weeks of the end of the probationary period (end of exams) or notification of placement of probationary status. The letter should include an explanation of any unusual circumstances and supporting documentation. The Financial Aid Appeals Committee must respond to the appeal within one week from date of receipt. If the appeal is granted, the students' progress is assumed to be satisfactory and progress is then measured from the time of the granted appeal. If the appeal is denied, the required number of credit hours or the required minimum grade-point average must be achieved at the student's own expense. Once the minimum standards have been achieved, students are again eligible for financial aid. The decision of the Financial Aid Appeals Committee is final.

THE ACADEMIC PROGRAM

Queens College offers programs in the College of Arts and Sciences leading to the Bachelor of Arts degree, the Bachelor of Music, the Bachelor of Science and the Bachelor of Science in Nursing. While these programs differ from each other in significant ways, each is rooted in the tradition of liberal education, and each provides students with an integrated and coherent program of study including the skills, competencies and knowledge necessary for a meaningful and successful life. Accordingly, all students earning the bachelor's degree in the College of Arts and Sciences must complete the Foundations of Liberal Learning Program and certain other specific degree requirements described below:

Foundations of Liberal Learning Program

The Foundations of Liberal Learning Program at Queens College consists of a sequence of six courses which a student will normally complete during a four-year program of study. Successful completion of all six courses is required of all full-time candidates for the bachelor's degree in the College of Arts and Sciences.

The aim of Liberal Learning is to encourage a "complex imagination," an intellectual energy which actively strives to connect, interrelate and integrate human experience. In the Liberal Learning program, both students and teachers consider human experience as a whole, not as a set of isolated segments and they work to connect experience across disciplines, through past, present and future and across cultures. In all the Liberal Learning courses, the focus is on active learning, small-group work, creative problem-solving and ethical reflection.

The Foundations of Liberal Learning Program is supervised by the director of Liberal Learning and the Liberal Learning Steering Committee, who are responsible for all program requirements and to whom any requests for modification or exemption must be directed. Please see the section below under Academic Regulations for specific policies regarding the Liberal Learning program.

The first year of the Liberal Learning program consists of a five-hour course in Term I and a five-hour course in Term II. These courses provide an interdisciplinary exploration of themes and issues central to the human venture. Topics may vary, but will normally include humanity's relationship to nature, the process of individual development, the interaction between individuals and their communities and the development of human values. Selected case studies, taken primarily from the Western tradition from the Ancient Near East to the Scientific Revolution, will complement these thematic explorations. Both courses are closely coordinated with the Freshman Composition program.

In the sophomore year, the Liberal Learning program consists of one five-hour course in each term. These courses continue the interdisciplinary investigation of selected problems in the human experience and will highlight especially the modern world and the work of the social and natural sciences. Themes in the course will include, for example, economic development; the relationship of economy and ecology; inter-cultural relationships; the nature of social and psychological change; and the impact of science and technology on modern life. Case studies will come from the contemporary world, especially the Western experience in the 19th and 20th centuries.

Students in the junior year may enroll in a three-hour Liberal Learning course in either Term I or Term II. This course offers intensive investigation of selected topics in the human enterprise.

In the senior year, students take a three-hour Liberal Learning seminar devoted to serious ethical reflection about contemporary issues, problems of the future, ethics in adult careers and the continuing process of liberal learning.

Complete course descriptions of the Liberal Learning courses may be found in the "Courses of Instruction" section of the *Catalog*.

Other Degree Requirements

To earn a baccalaureate degree in the College of Arts and Sciences, a student must complete a minimum of 122 semester hours, at least the minimum stipulated number of semester hours in the student's major and at least 36 semester hours at the 300 level or above. The student must earn a minimum cumulative grade-point average of 2.000 in all work at Queens and in all work in the major and must be in good standing with the Honor Code at the time the degree is awarded. In addition, each student must fulfill the following requirements:

WRITING PROFICIENCY REQUIREMENT. A student must enroll in and successfully complete English 110 and English 120 and successfully pass the English Proficiency Test in order to graduate. The test is given at the conclusion of English 120.

WRITING-INTENSIVE COURSE REQUIREMENT. All students must successfully complete one writing-intensive course in his or her major. One or more writing-intensive courses have been identified for each major; where several courses have been identified, the student must take one, but may take others if he or she desires.

MATHEMATICS PROFICIENCY REQUIREMENT. Upon entry into the College of Arts and Sciences, all students will be required to take a mathematics placement test. On the basis of the placement test results and their previous academic record, students will be placed in one of three categories. Those placed into category A will not be required to take a mathematics course as a general college requirement; these students are encouraged to continue their mathematical education. Those placed into category B or C are required to successfully complete either MATH 104 (Mathematical Ideas), MATH 105 (Finite Mathematics) or MATH 111 (Precalculus). Students who place in

category C will be advised to enroll in MATH 099 (Basic Mathematics) before enrolling in either MATH 104, MATH 105 or MATH 111.

FOREIGN LANGUAGE PROFICIENCY REQUIREMENT. All students whose native language is English must demonstrate competency in a foreign language through the 102 level in order to earn the bachelor's degree. Competency may be demonstrated through a placement examination administered by the foreign language department or by successfully completing a three-hour course in that language at the 102 level or above.

NATURAL SCIENCE REQUIREMENT. All students must successfully complete at Queens College at least one laboratory-science course carrying a minimum of four semester hours of credit. Course work completed at another accredited institution prior to admission into Queens may be accepted to meet this requirement. Courses that satisfy this requirement are Biology 103, Environmental Science 101, Chemistry 101, Chemistry 111 and Physics 101. Biology 111 fulfills the natural science requirement for music therapy majors only.

PHYSICAL EDUCATION REQUIREMENT. A student must complete two physical education courses, each carrying one semester hour, preferably by the end of the sophomore year. No specific courses are required, but non-swimmers are urged to take PHED 151, Beginning Swimming, in the fall term of their freshman year.

The director of the College of Arts and Sciences may exempt students from the physical education requirement for medical or other appropriate reasons. Such requests should be submitted in writing, normally with a supporting recommendation from a physician or the chair of the physical education department. Any student exempted from the physical education requirement must still earn 122 semester hours in order to graduate.

RESIDENCY REQUIREMENT. Every candidate for a baccalaureate degree in the College of Arts and Sciences must complete at least 45 of the minimum 122 semester hours required for graduation at Queens College. At least 30 of the 45 hours must be completed in the College of Arts and Sciences. The last 30 hours must be completed at Queens or in a Queens-approved program. No more than 60 academic credit hours and no more than two credit hours in physical education transferred from two-year institutions may be applied to the minimum 122 hours required for graduation. Students must complete at least 60 hours at Queens to be eligible for graduation with honors.

However, students who hold an undergraduate baccalaureate degree from another accredited institution or from Queens and are seeking a second degree must complete at least 30 hours at Queens over and above the hours earned for the first degree.

CONVOCATION REQUIREMENT. A student must attend the three college convocations (Fall Convocation, Spring Convocation and Awards Convocation) held annually.

ASSESSMENT REQUIREMENT. Students are required to participate in a program of evaluation and assessment administered by

the college to measure the effectiveness of a Queens education. This program will include both objective and reflective measurements offered from time to time during the student's years at the college.

Academic Programs

THE MAJOR PROGRAM. In addition to completing the Liberal Learning program and other degree requirements listed above, each student must complete a major or concentration. At least 50 percent of the credit hours required for the major must be earned at Queens.

The purpose of a major is twofold: to give the student an opportunity to achieve an appropriate level of mastery in a field of study and to enable the student to acquire knowledge, skills and perspectives which may help to make him or her effective in a career. A student will work with his or her faculty advisor to make a wise choice of a major. The student is required to declare the major no later than the preregistration period of the second term of the sophomore year. At that time, the student should also change faculty advisors to one in the major field if necessary.

The requirements of each major are described under the discipline in the section of this *Catalog* called "Courses of Instruction." The majors listed and the pages on which they appear are as follows:

Bachelor of Arts Degree

Accounting ..... page 69
Art ..... page 60
Biology ..... page 65
Business Administration ..... page 69
Business/Foreign Language ..... page 112
Communications ..... page 79
Education ..... page 89
English ..... page 96
English/Drama ..... page 85
European Studies ..... page 112
French ..... page 103
History ..... page 106
Mathematics ..... page 119
Mathematics/Computer Science ..... page 83
Music ..... page 124
Philosophy ..... page 140
Political Science ..... page 145
Psychology ..... page 149
Sociology ..... page 156
Spanish ..... page 159

Bachelor of Music Degree

Applied Music (piano, voice, organ, strings or other instruments) ..... page 131
Music Therapy ..... page 124

Bachelor of Science Degree

Biochemistry ..... page 76

Biology ..... page 65
Bachelor of Science in Nursing ..... page 135

DEGREE PROGRAMS

Bachelor of Arts. A major for the Bachelor of Arts degree shall consist of no fewer than 30 credit hours. No more than 40 credit hours in the major department shall be required; students may, however, take more than 40 hours in a major department at their own initiative.

Bachelor of Science. A major for the Bachelor of Science shall consist of no fewer than 32 credit hours. For this degree, the student is also required to demonstrate language competency through the intermediate level.

Bachelor of Music. Queens College offers both the Bachelor of Arts in Music and the Bachelor of Music degree. The Bachelor of Music program includes majors in performance and music therapy. Students must have the permission of the Department of Music to enter any of the Bachelor of Music programs. The music therapy major is a 4 1/2-year program accredited by the National Association of Music Therapy and the National Association of Schools of Music. The program prepares students for work with children and adults who require special therapy because of behavioral, learning or physical disorders.

Bachelor of Science in Nursing. Candidates for the Bachelor of Science in Nursing degree are required to meet all general degree requirements as well as the requirements for the nursing major. Applicants who have been accepted to the college must also apply to the Division of Nursing for acceptance into the nursing major after meeting specified pre-requisites. Students are encouraged to declare their interest in nursing by the end of the freshman year. Provision is made for those persons, such as registered nurses, who may wish to transfer into this program or apply for advanced standing. Information concerning the nursing program is available directly from the Division of Nursing.

THE MINOR PROGRAM. An undergraduate program of study may include one or two minors in a department or departments other than the major. The minor consists of a minimum number of hours and a prescribed program of courses described in detail under each discipline offering a minor. Minor programs must be approved by the faculty advisor and the department concerned.

ELECTIVE COURSES. In consultation with the faculty advisor, a student chooses elective courses to complete the number of hours required for graduation. Electives offer the student the opportunity to augment the major field of study with collateral areas of knowledge or to explore areas or skills quite distinct from the major.

TEACHER EDUCATION. Students may secure a teaching certificate at the elementary or secondary level within the Bachelor of Arts program.

Students must apply to the Department of Education for admission

to the Teacher Education program by the end of the sophomore year. At that time, they are required to take two components of the Praxis Series, one on General Knowledge and on one Communication Skills. Application for student teaching must be made in the fall of the senior year.

Prior to completion of the program, students must take the last two sections of the Praxis Series—Professional Knowledge and Specialty Area.

Persons who already hold a bachelor's degree and are interested in teacher certification for the elementary grades should inquire about the Master of Arts in Teaching program. Those interested in secondary certification may be admitted to the College of Arts and Sciences as special students. They are expected to complete successfully at Queens a minimum of twelve credit hours before undertaking student teaching. In either case, those interested should consult the Office of Admissions, as should certified teachers seeking teacher renewal credit or the Master of Education degree.

QUEENS-PRESBYTERIAN SCHOOL OF CHRISTIAN EDUCATION DUAL DEGREE PROGRAM. Queens College maintains an agreement with the Presbyterian School of Christian Education (PSCE) in Richmond, Virginia, through which a student can earn both the Bachelor of Arts and Master of Arts degrees by studying for three years at Queens and for two years at the PSCE. The student is required to complete 92 credit hours at Queens and will receive the B.A. degree from Queens upon completion of the necessary 30 additional hours in appropriate courses at the PSCE. The student must, of course, satisfy all other degree requirements at Queens as well, including the Liberal Learning program. Students interested in this program should contact the Office of Admissions.

PRE-PROFESSIONAL ADVISING PROGRAMS. Students who wish to prepare for post-baccalaureate professional education in a number of fields are served at Queens by a special faculty advisor and by the Center for Career Development. Students are encouraged to consult the appropriate advisor in planning their course work. Such students may, in combination with an individual major, elect to structure a program of study which is recommended as suitable preparation by the faculties and admissions committees of graduate programs.

Students interested in medicine, dentistry and physical therapy are encouraged to consult the pre-med advisor. Students are advised to complete a sound liberal arts program in any major, provided that sufficient and appropriate courses in the natural sciences and mathematics are included. Information concerning the Medical College Admission Test (MCAT) is available from the Center for Career Development.

Law schools do not require or recommend specific courses or majors. They do advise, however, that students examine a wide variety of subjects and ideas which lead to a broad understanding of the political, economic, social and cultural forces affecting our body of law

and the society it orders. They also recommend that students develop the skills of logical reasoning, problem solving and effective written and oral communication. Such areas of knowledge are comprehensively addressed in the Foundations of Liberal Learning Program at Queens as well as in individual majors.

Students interested in preparation for legal studies are encouraged to consult the pre-law advisor and may wish to join the Justinian Society to broaden their knowledge of the law and current legal issues. Information concerning the Law School Admissions Test (LSAT) is available at the Center for Career Development.

INTERNSHIPS. Queens College makes special efforts to encourage all students to include internship experiences in their program of study. An internship is a planned and supervised out-of-class work experience where a student uses the skills, knowledge and theories developed in the classroom setting.

Most departments in the College of Arts and Sciences offer an internship course. Two interdisciplinary internship courses are also available. Internship courses numbered 299 provide students exploratory experience where they may investigate possible career directions. Exploratory Internships are especially valuable for sophomore or junior students who have not yet formulated clear career directions. Internship courses numbered 499 indicate Professional Internships which provide students unique opportunities to directly apply classroom skills in their professional work responsibilities. To be eligible for a Professional Internship, students are required by the department to have strong and appropriate academic preparation which generally occurs by the second semester of the junior year or throughout the senior year.

Specific guidelines for internships are available in the Career Development Center. Students are strongly advised to carefully plan their program of study to ensure the best time for enrolling in an internship. Students who apply for an internship at least one semester before the internship takes place will be able to consider more internship sites. To begin the internship enrollment process, the student makes an appointment in the Career Center to attend an Internship Orientation session. Then the student works closely with a faculty internship instructor and an employer on-site supervisor, using the Career Center staff as a coordinating resource. The student must be enrolled in an Internship course before the intern work hours may count toward the course requirements. The faculty internship instructor serves as a contact person for the intern and is responsible for submitting a grade for the internship. The Career Center Director or Internship Director serves as the liaison for the employer on-site supervisor.

All internships are graded on Pass-Fail basis. No more than 12 hours of internship credit shall be counted toward the 122 hours required for the bachelor's degree. Students normally register for 1-3 hours of internship course credit in a semester. Course requirements vary according to the number of hours enrolled. In addition to the paperwork assignments required in the internship course, the work

hours component of the internship requires:

45 hours of work = 1 credit hour
90 hours of work = 2 credit hours
135 hours of work = 3 credit hours.

INDEPENDENT STUDIES AND DIRECTED READINGS. A mature and academically sound student may, under the direction of a member of the faculty and with the approval of the faculty advisor, undertake directed readings or an independent study of a topic of interest to the student and germane to the student's program of study. This study may take one of several forms, including projects, individual research or directed reading.

To register for an Independent Study or Directed Reading course, the student must submit a course proposal form to the Office of Academic Affairs by the end of the term in which the student pre-registers for the course.

SUMMER SCHOOL. The Hayworth College at Queens coordinates all day and evening undergraduate summer courses offered at the institution.

STUDY ABROAD. In addition to arranging study tours, the International Experience Program office aids students who wish to spend a term, academic year or summer studying abroad. Students may take part in approved programs of study for American students, attend a foreign university or participate in a work/service program such as the Experiment for International Living. Queens is affiliated with the American Institute for Foreign Study which offers programs in Australia, Austria, Britain, China, France, Italy, Mexico, Russia and Spain and with the Council for International Educational Exchange, which offers study- and work-abroad programs worldwide. To apply for study abroad, students must have at least a 2.000 average and approval of both the faculty and study-abroad advisors and meet specific requirements of the desired program.

Academic Regulations

ACADEMIC RESPONSIBILITY. While Queens College makes every effort to advise and counsel students on their academic programs and academic requirements, it is the student who is ultimately responsible for fulfilling all requirements for a degree. To help the student enact his or her own responsibility, all academic plans and programs must be approved by the student's faculty advisor.

In general, a student must fulfill the degree requirements and major requirements set forth in the *Catalog* which was current when the student entered Queens. Other academic regulations amended while a student is enrolled at Queens may well be deemed to apply regardless of the policies stated in the *Catalog* of entry. Further, curricular exigencies or other circumstances may require the college to modify degree or major requirements from those at entry and that right is reserved.

THE HONOR CODE. Because the Honor Code of Queens College

applies to all phases of life at the college and is binding on all members of the college community, it provides an atmosphere of mutual trust among students, faculty and administration. The Honor Code is fully described in the "Student Life" section of the *Catalog*.

ACADEMIC ADVISING. Each student in the College of Arts and Sciences is assigned upon entry a faculty advisor who normally serves the student until the major is declared, at which point the student selects an advisor in the major department. It is the student's responsibility to schedule advising appointments as often as necessary in order to plan course schedules for each term and to discuss current academic questions and problems. The faculty advisor is a resource and a guide in planning and meeting all graduation requirements.

COURSE LOAD. The regular academic year at Queens consists of two 14-week semesters, Term I and Term II. The college offers a summer term for those who wish to enroll. The normal load for all students is from 12 to 18 credit hours in Term I and Term II. A student must have special permission from the faculty advisor to register for an overload.

PART-TIME STUDENTS. Students who are enrolled in fewer than 12 semester hours in Term I or Term II are considered part-time students. Part-time degree-seeking students in the College of Arts and Sciences who have not previously earned a baccalaureate degree must fulfill all degree and major requirements for their selected program of study. Part-time students are encouraged but not required to complete the Liberal Learning program. If they do not, they must have credit for courses listed in the Table of Substitutions for the Liberal Learning program (page 54), either through transfer credit or by taking the substituted courses at Queens.

TRANSFER STUDENTS. Transfer students must meet all degree requirements, including, of course, the stipulation that at least 45 of the 122 semester hours must be completed at Queens. The registrar will supply a complete audit of transferred credit and its applicability to Queens graduate requirements, with the exception that the Liberal Learning Steering Committee will advise the registrar about how courses taken elsewhere may substitute for portions of the Foundations of Liberal Learning Program.

In general, transfer students enter the Liberal Learning program at the appropriate class-level standing for hours of credit transferred. See the "Foundations of Liberal Learning Program Regulations" section of this *Catalog* for details concerning use of the Table of Substitutions to evaluate transfer credit towards Liberal Learning courses.

TRANSFERS BETWEEN CAS AND HAYWORTH COLLEGE. Students are admitted either to the College of Arts and Sciences or to the Hayworth College; admission is not transferable. However, a student dismissed from either college is dismissed from all Queens College programs until readmitted.

A student may apply to transfer from the Hayworth College to the College of Arts and Sciences or the reverse after completing at least one

term in the college of entry, provided that the student has earned a minimum cumulative grade-point average of 2.000 at Queens College and is not on any type of academic or social probation. A student who wishes to change colleges must apply to the Office of Admissions.

At a minimum, students must complete 30 hours of the residency requirement in the college to which they transfer and complete all of the graduation requirements of that college. Students may not earn a major or minor which is not offered in the college into which they transfer.

SECOND-DEGREE STUDENTS. Students who hold an undergraduate degree, either from Queens or from another accredited institution, may seek a second degree provided it is a different baccalaureate degree from the first earned. Such students must meet all degree requirements stipulated for transfer students except that the residency requirement is 30 semester hours rather than 45. Queens College graduates who wish to add a second major within the same baccalaureate degree may do so by fulfilling the requirements for that major as stipulated in the *Catalog* for the year of re-entry to Queens.

SPECIAL STUDENTS. Special students are admitted to the college without the expectation that they will earn a degree. Special students who have never earned a bachelor's degree may enroll for a cumulative total of 15 credit hours; in order to continue at Queens they must apply for regular admission or receive special permission to continue. A special student who has earned a bachelor's degree may take unlimited credits as a special student. All special students must comply with all college regulations.

TRANSIENT OR CONTRACT STUDENTS. These students are degree candidates at another college or university who are taking courses at Queens by special arrangement.

CONSORTIUM STUDENTS. Degree-seeking students at the 13 area colleges which make up the Charlotte Area Educational Consortium may enroll in a course in any one of the member institutions during the regular academic year.

CLASS ATTENDANCE. As a general policy, students are expected to attend all class sessions. Specific attendance policies are set for each course by individual faculty members and should be printed in the syllabus or announced at the beginning of the term. It is the student's responsibility to know the attendance policy in a particular course.

A faculty member will, if possible, allow a student to make up or complete academic assignments when the student misses class because of illness, or when representing the college at an official college function or for other justifiable reasons. However, it is the student's responsibility to notify the professor of such absences, preferably in advance, but surely in a timely fashion. This notification must be in writing.

It is a violation of the Honor Code for a student to be untruthful concerning the reasons for a class absence. Students are also honor-bound to report any such suspected violations of the Honor Code.

The Office of Academic Affairs, the Office of Student Development

and the Student Health Center may not excuse students for class absence. Those offices will, however, notify faculty members upon request when illness or grave circumstances beyond a student's control will necessitate a class absence.

GRADING. Queens uses the following system of grades and grade-point values per credit hour:

Grade	*Interpretation*	*Grade-Point Value*
A	Superior	4.000
A-		3.700
B+		3.500
B	Good	3.000
B-		2.700
C+		2.500
C	Satisfactory	2.000
C-		1.700
D+		1.500
D	Poor	1.000
F	Fail	0.000
P	Pass	(0)
NR	No Record	(0)
AU	Audit	(0)
W	Withdrew	no effect on grade points

I Incomplete -- may become another letter grade except W upon completion.

K (Given at end of first term of a two-term course. Indicates satisfactory progress. Replaced by letter grade upon completion of second-term course.) No effect on grade points.

Grade reports are sent to students at the end of each term. Mid-term reports are issued in Terms I and II to indicate special difficulties in course work in progress. Only final course grades are permanently recorded.

Pass/No Record. Pass/No Record (P/NR) is a grading system designed to encourage students to explore new areas. Students may elect to take up to two courses per academic year on a "P/NR" basis, but may take no more than one course per term on the "P/NR" basis. Some courses are designated "P/NR" for all students. Other courses may not be taken "P/NR." A student may not take Liberal Learning courses or other courses used to satisfy specific graduation requirements or courses in the major or minor program on a "P/NR" basis without special permission from the department and the Office of Academic Affairs. The grade of "P" is recorded when a student earns a grade of C- or better in the course. If a student earns a D+, D or F, the "NR" designation is used. An "NR" differs from an F because it is not recorded on the student's permanent academic record and is not counted in the calculation of the student's cumulative grade-point average.

Students must indicate at registration when a course is to be taken "P/NR." They may change to a regular graded basis in

consultation with the registrar up to one week following midterm.

Pass/Fail. Pass/Fail is the grading system used for special course offerings including internships and the international experience study tours. The grade of "P" is recorded when a student earns a grade of C- or better in the course. An F is recorded when the work is unsatisfactory. "P/F" differs from "P/NR" in that F's are recorded on the student's permanent academic record, while "NR's" are not.

Incomplete Status. The grade of Incomplete (I) is given at the discretion of the instructor and only when unusual circumstances make it impossible for the student to complete the course work by the end of the term. Students are responsible for arranging to complete such work. A grade of "I" received during Term I must be changed to another letter grade by the end of the second full week of regular classes of Term II; an I received during Term II or Summer Term must be changed to another letter grade by the end of the second full week of regular classes of Term I.

However, a student on academic probation who receives an "I" must complete the course work and receive a regular letter grade at least 48 hours prior to registration for the subsequent term.

A grade of "I" automatically becomes an F if the student fails to make up incomplete work satisfactorily by the above deadlines.

REPEATED COURSES. If students fail a course, they may repeat that course only once either at Queens or at another accredited institution with prior approval of the appropriate department chair. The F grade will remain on the student's record. If the course is repeated at Queens, both the F and the second grade will be figured into the student's cumulative grade-point average. If the course is repeated at another institution, the credit but not the grade will transfer; thus only the original F will be figured into the cumulative average.

A student also may elect to repeat a course after earning a D, D+ or C- in order to demonstrate mastery of the material. In this case, the first grade will remain on the student's average and will be the only grade figured into the cumulative average; no additional hours of credit will be awarded.

In either case, a course may be repeated only once, either at Queens or at another accredited institution. No more than two courses in the student's major field may be repeated. Regular tuition is charged for all repeated courses.

A student may also repeat a course for credit if the course is listed as "may be repeated for credit." In that case, all grades and credit hours are included in the student record.

CLASS STATUS. Students are assigned class status according to the number of credit hours earned. A freshman has earned from 0 to 23 credit hours. A sophomore has earned 24 to 51 credit hours. A junior has earned 52 to 89 credit hours. A senior has earned 90 or more credit hours.

DEAN'S LIST. Degree candidates who achieve a term average of

3.500 in at least 12 hours of graded academic work are named to the Dean's List. Students with an Incomplete grade will not be considered for the Dean's List. Courses in which the grade of "P" is earned or courses numbered 099 may not count towards the 12-hour minimum.

HONORS AT GRADUATION. The distinctions *summa cum laude, magna cum laude* and *cum laude* are awarded by the college for academic excellence. *Summa cum laude* is awarded to students who have a grade-point average of 3.85 or better, *magna cum laude* to those with a grade-point average of 3.65 and *cum laude* to those with a grade-point average of 3.500. A student must have completed at least 60 hours at Queens College to be eligible for graduation with honors. The grade-point average will be determined by work taken at Queens.

ELIGIBILITY TO REPRESENT THE COLLEGE. Students who are on academic probation, on social probation for six weeks or longer or suspended from a class or from the college are not eligible to represent the college in off-campus extracurricular activities, to participate in varsity athletics, to hold campus office or to run for campus office until the probation or sanction is lifted.

REGISTRATION. Pre-registration advising and advanced registration are held toward the end of each term. During these periods, students consult with their advisors to plan the schedule of courses they plan for the next term and submit a preliminary program of study to the Registrar.

Registration is held at the beginning of each term. At that time, students confirm their course registrations from advanced registration and conduct other necessary college business, including receiving identification cards and parking permits. Students are not considered registered at Queens College until the registration process, including payment of tuition and fees, has been completed.

CHANGE IN REGISTRATION OR DROP/ADD. Courses may not be added or dropped on registration day. Changes in registration may be made during the first calendar week of classes at the beginning of each term. The advisor's signature is required on the drop/add form. If the form is returned to the Office of the Registrar by the deadline, courses dropped will not appear on the student's permanent record. For part-time students, tuition charges for courses dropped during the change in registration period will be prorated according to published guidelines.

WITHDRAWAL FROM A COURSE. After the drop/add period, a student may withdraw from a course by completing a withdrawal form which requires the signature of the advisor. The forms are available in the registrar's office. The withdrawal period ends at the end of the calendar week following the midterm point in each term. The withdrawal date is published in each term calendar. A status of "W" will be recorded if the student withdraws during the withdrawal period.

After the withdrawal period ends, the student may withdraw from a course only by requesting approval for a late withdrawal from the

Student Qualifications Committee. The Student Qualifications Committee may, after consultation with the instructor, deny or approve the request for late withdrawal. If the late withdrawal is approved, a status of W will be recorded.

A student who does not withdraw from a course but simply stops attending will receive an F in that course.

AUDITING COURSES. A student enrolled in 12 to 16 credit hours and maintaining a cumulative grade-point average of 3.000 or better may, with the consent of the instructor and the registrar, audit a course. The student receives no credit for an audited course, but the grade "AU" will appear on the student's transcript. Drop/Add and course withdrawal policies apply to audited courses and auditors are expected to attend class regularly. Regular tuition charges apply.

COURSES TAKEN AT OTHER INSTITUTIONS. Normally, Queens students may take courses at another accredited institution for credit at Queens either in the summer or a regular term provided that these courses are equivalent or supplemental to those offered at Queens. To receive credit for such transferred courses, students must have the prior permission of the appropriate department and division chairs, must make a grade of C or better in each course and must have the other institution send an official transcript of the work to the Registrar. A student's cumulative GPA is not affected by course credit earned at another institution.

Queens students, if qualified, may enroll at one of the other colleges which make up the Charlotte Area Educational Consortium in any course not offered at Queens and receive full credit towards the Queens degree without the payment of additional fees. Arrangements for consortium cross-registrations are made through the Registrar's office. See page 7 for a list of consortium institutions.

The natural science graduation requirement may not be satisfied by credit earned at another institution except as transfer credit earned prior to admission to Queens.

FOUNDATIONS OF LIBERAL LEARNING PROGRAM REGULATIONS. All full-time candidates for all degrees in the College of Arts and Sciences must successfully complete the Liberal Learning sequence of six courses. The courses should be taken in sequence. They may, when necessary, be taken out of sequence with the approval of the director of Liberal Learning and the Liberal Learning Steering Committee.

Liberal Learning courses must always be taken for a letter grade.

Because the Liberal Learning program is an integrated experience, there are no courses offered at Queens or elsewhere that are precisely equivalent to the courses in the sequence. However, in cases of necessary exception to policy, students may find it necessary to complete a bachelor's degree program by utilizing the following substitutions:

LIBERAL LEARNING SUBSTITUTIONS

Liberal Learning 110

Choose two courses from different areas.

Area 1: Psychology 201
Sociology 203 or 308
Philosophy 204

Area 2: One from the following laboratory science courses:
Biology 103
Chemistry 101 & 101L or 102 & 102L or 111 & 111L or 112 & 112L
Physics 101 or 102
Environmental Science 101
Any laboratory course numbered 200 or above.

Liberal Learning 120

Choose two courses from different areas.

Area 1: Art 215 or 216
Area 2: Music 100 or English 201
Area 3: History 201 or History 202

Liberal Learning 210

Choose two courses from different areas.

Area 1: English 330 or Music 207
Area 2: Political Science 201 or History 203 or 204

Liberal Learning 220

Choose two courses from different areas.

Area 1: Political Science 250 or 270
Area 2: Sociology 313 or Religion 210
Area 3: A 300-level foreign language course

Liberal Learning 310 or Liberal Learning 410

There are rarely acceptable substitutions for LLRN 310 or LLRN 410.

When a student transfers to Queens as a full-time student, the registrar will determine the student's class status. The student will then begin the Liberal Learning sequence at the point appropriate for that status. In addition, however, the registrar will determine whether or not the incoming student's transcript includes sufficient courses as measured by the list of substitutes for the Liberal Learning courses not taken previously. Students who lack sufficient substitutes may either take the Liberal Learning courses lacking or make up the past deficiencies with appropriate substitute courses.

If a student fails a Liberal Learning course or is unable to complete a course for sound reasons beyond the student's control, the student normally has the option of taking the course over or passing appropriate substitutes. In each such case, the Liberal Learning Steering Committee will examine the student's transcript and approve a particular and appropriate course of action.

Part-time, degree-seeking students who have not previously earned a baccalaureate degree are encouraged but not required to participate in the program. Should part-time students elect not to complete the courses in the Liberal Learning sequence, they must complete the courses as listed in the Liberal Learning Substitutions in order to receive

the bachelor's degree. Students who change from part-time to full-time must begin the Liberal Learning sequence at the point appropriate to class status at that time.

STUDENT QUALIFICATIONS. The faculty has established standards of satisfactory academic progress which are administered by its Student Qualifications Committee. This committee reviews the academic record of each full-time student in academic difficulty at the end of Term I and Term II and at the end of Summer Term if the student earned nine credit hours at Queens.

Academic Probation and Dismissal. A student whose cumulative grade-point average falls below the following levels for each class standing is placed on academic probation:

Class Status	*Earned Hours*	*Minimum GPA*
Freshman	0-12	1.500
	13-23	1.800
Sophomore	24-37	1.800
	38-51	1.900
Junior	52-70	1.900
	71-89	2.000
Senior	90 or more	2.000

However, students who have a term grade-point average below 1.000 will be subject to dismissal or placed on probation after a review of their records by the Student Qualifications Committee.

Students on academic probation may not enroll in more than 15 credit hours in any one term.

Students on probation will be reviewed at the end of each term, including summer term, in which they have earned nine credit hours. Students on probation will be declared academically ineligible to return if they do not earn a term grade point average of 2.000 at the time of review. If the cumulative grade point average is not commensurate with class status, they will be continued on probation for one more term or will be dismissed.

Students have the right to present a written appeal concerning academic dismissal to the Student Qualifications Committee. The decision of the committee in regard to the appeal is final.

The Student Qualifications Committee will review the records of part-time and special students after nine semester hours. Part-time students must maintain cumulative averages commensurate with their class status. Special students must maintain a cumulative average of 2.000.

Readmission. Students dismissed from the college for academic reasons may apply for readmission through the Student Qualifications Committee. Students applying for readmission must submit (1) a readmission application (available from the Office of Admissions), (2) transcripts for all academic work attempted since leaving Queens and (3) a personal statement concerning the student's goals and accomplishments since leaving Queens. Academic work submitted for readmission must include at least nine graded semester hours (or the

equivalent) in one term from an accredited institution. Each grade for the courses taken must be C or better.

A student readmitted to the college is normally placed on academic probation and reviewed after the first term.

LEAVE OF ABSENCE. With the endorsement of the academic advisor, a student in good standing may apply for a leave of absence for one or two academic terms. Approval for a leave of absence will be granted for medical or personal reasons, in order to enroll in an off-campus academic program or for other experiences which support the student's program of study. Students on leave will receive registration and housing materials from Queens prior to the term of return. Students returning from approved leaves may resume degree and major programs in effect at the time the leave is approved.

WITHDRAWAL FROM THE COLLEGE. Students who wish to withdraw from the college during the term or who do not plan to return for the subsequent term must formally withdraw through the Office of Academic Affairs. The student is asked to participate in an exit interview with an appropriate member of the staff of the college.

Students who withdraw during the term must also take responsibility for receiving clearance from the Business Office, Financial Aid Office and Student Development Office concerning financial matters. The effective withdrawal date is the day upon which all required clearance signatures are obtained. Should the students be unable for grave reasons beyond their control to complete this process, the effective date of withdrawal is determined by the Vice President for Academic Affairs and a representative of the Business Office.

A student who simply stops attending classes without proper notification will be assigned the grade of F in all courses.

The college reserves the right to require at any time the withdrawal of any student whose conduct or academic work is not considered satisfactory.

ACCESS TO RECORDS. In accordance with the Family Educational Rights and Privacy Act of 1974, Queens College permits students to inspect their records whenever appropriate and to challenge specific records when they feel it necessary to do so. The following information about each student is considered "directory information" and is public: full name, local address, home address, telephone number, date of birth, major field of study, dates of attendance at Queens College, class year, degrees, honors and awards received, participation in officially recognized college activities and student organizations, parents' or guardians' names and religious affiliation.

This information may be released or published without the student's consent. However, students who do not wish this information or any part of it, to be released or made public may inform the Registrar's Office, in writing, within 10 days after registration for each term. The Registrar will notify other college offices of such requests. Students should understand that if they withhold directory information, it will not be released to anyone unless the health or safety of an individual is involved. It is the policy of Queens College to refuse to

release information to private firms for use in mailing lists.

Queens College recognizes that the Family Educational Rights and Privacy Act of 1974, as amended, does not intend to exclude release of information regarding dependent students' academic progress/grades to their parent/guardian if such information is requested. Queens College also recognizes the student's right to specify that information regarding academic progress/grades not be released to parent/guardian. Written notification must be made to the Registrar.

RECORDS OF PROGRESS. The college maintains records of progress on both veteran and non-veteran students. Progress records are furnished to all students at the end of each scheduled academic term.

Divisions of the College of Arts and Sciences

Hugh L. McColl Jr., School of Business

Robert L. Finley, *Chair, Dana Professor of Business Administration*
Ronald E. Bassett, *Associate Professor of Organizational Communication*
Bradley W. Brooks, *Assistant Professor of Business Administration*
Timothy E. Burson, *Assistant Professor of Economics*
James W. Foster Jr., *Assistant Professor of Business Administration*
Catherine A. Haselden, *Vice Chair, Associate Professor of Business Administration*
Randall R. Kincaid, *Professor of Economics*
H. Allen Maynard, *Associate Professor of Business Administration*
Roger R. McGrath, *Associate Professor of Business Administration*
Donald L. Wallace, *Associate Professor of Business Administration*

Division of Fine Arts

Robert F. Porter, *Chair, Professor of Art*
Richard F. Crown, *Associate Professor of Art*
David H. Evans, *Associate Professor of Music*
James H. Glenn, *Associate Professor of Music*
Jayne Johnson, *Associate Professor of Art*
Frances J. McClain, *Associate Professor of Music*
Paul A. Nitsch, *Carolyn G. McMahon Associate Professor of Music and Artist-in-Residence*
Constance Rhyne-Bray, *Instructor of Music*

Division of Humanities

Richard T. Goode, *Chair, Carolyn G. and Sam H. McMahon Jr. Professor of English*
Cathy S. Bowers, *Instructor of English*
Deborah N. Campbell, *Instructor of English*
Thomas P. Cole, *Assistant Professor of History*
Mollie C. Davis, *Professor of History*
J. Norris Frederick, *Assistant Professor of Philosophy*
Charles O. Hadley, *Dana Professor of English*
Jane H. Hadley, *Associate Professor of English (Drama)*
Michael J. Kobre, *Associate Professor of English*
Eric J. Lien, *Assistant Professor of Foreign Languages (French)*
Dorothy H. McGavran, *Assistant Professor of English*
J. Diane Mowrey, *Associate Professor of Religion*
Charles M. Reed, *Professor of History*
Emily Seelbinder, *Associate Professor of English*
Michele M. Shaul, *Associate Professor of Foreign Languages (Spanish)*
Karen D. Shearer, *Instructor of Communications*
William A. Thompson, *Professor of History*
James Varn, *Assistant Professor of English*
Wendy L. Waite, *Assistant Professor of Communications*
Robert W. Whalen, *Carolyn G. and Sam H. McMahon Jr. Professor of History*

Division of Natural Sciences and Mathematics

Virginia L. Martin, *Chair, Carolyn G. and Sam H. McMahon Jr. Professor of Biology*
Dimitra D. Acheson, *Assistant Professor of Chemistry*
Rebecca C. Jann, *Dana Professor of Biology*
Peggy Maiorano, *Instructor of Biology*
Jimmie C. Oates, *Professor of Physics*
Joan E. Quinn, *Associate Professor of Mathematics*
Hasmukh M. Raval, *Associate Professor of Mathematics and Computer Science*
R. Kent Rhodes, *Associate Professor of Biology*
Michael A. Tarabek, *Assistant Professor of Mathematics*
W. Andrew Tucker, *Assistant Professor of Chemistry*

Division of Nursing

Joan S. McGill, *Chair, Professor of Nursing*
Carlene H. Fulk, *Associate Professor of Nursing*
Mary Jo Gilmer, *Assistant Clinical Professor of Nursing*
Carolyn S. Holcomb-Long, *Instructor of Nursing*
Peggy L. Payne, *Associate Professor of Nursing*
Ruth E. Stephenson, *Assistant Professor of Nursing*

Division of Social Sciences and Education

Christine L. Allegretti, *Chair, Professor of Psychology*
Chrystle L. Baker, *Instructor of Physical Education*
M. Cherie Clark, *Assistant Professor of Psychology*
Suzanne M. Degni, *Associate Professor of Education*
Joyce A. Eckart, *Associate Professor of Education*
Loren E. Fauchier, *Assistant Professor of Political Science*
Janice L. Ginger, *Associate Professor of Education*
Sandra L. Leslie, *Assistant Professor of Education*
Linda H. Miller, *Assistant Professor of Sociology*
David I. Petts, *Assistant Professor of Political Science*
Phyllis A. Pharr, *Associate Professor of Physical Education*

COURSES OF INSTRUCTION

COURSE LISTINGS. Course listings give general information concerning each area of study and the requirements for major programs in each discipline. These requirements should be noted carefully by students when deciding on a major.

Many of the courses in the sections beginning on the next page will be listed in the class schedule that is distributed prior to each term.

COURSE NUMBERS. In general, courses numbered 100-299 are primarily for freshmen and sophomores; those numbered 300-499 are primarily for juniors and seniors. In specific cases, however, the individual student's ability and background rather than class standing will determine the appropriate level of work.

Double numbers separated by a comma (e.g. 300, 302) indicate that the completion of both courses forms a desirable unit. Occasionally the first course is a prerequisite to the second.

COURSE CHANGES. Queens College reserves the right to change the course offerings and instructors indicated in the *Catalog* without prior notice to persons who may thereby be affected. Every effort is made to help a student affected by a course change by providing the opportunity for an independent study or some other suitable arrangement.

Art

The Department of Visual Arts offers varied programs leading to the Bachelor of Arts degree. The curricula are designed to prepare students for graduate study, teaching, museum work and professional careers in art and design areas. Studio experiences are balanced with courses in art history and the liberal arts to strengthen the humanistic base of the programs. The essential aim of the programs is to develop intellectual and performance abilities and assure a sound foundation for further development of the student, or for his or her entry into a professional field.

MAJOR. Students may earn a Bachelor of Arts degree with a major in art. There are two areas of concentration for the major in art:

Studio concentration: Art 104, 133, 134, 202, 203, 215, 216, 223, one art history course at or above the 300 level, four studio courses at or above the 300 level (to be approved by departmental advisor), 496 and 497.

Art History Concentration: Art 215, 216, four art history courses at or above the 300 level, three courses in the art studio area (the following are suggested, as they do not involve prerequisites, nor do they assume studio expertise: 101, 104, 133, 134, 223, 227); and 497. Each student in the Art History concentration must select 12 hours outside the Art Department which must be approved by the advisor and which will serve to broaden and enrich the program of study.

Students majoring in art must register for ART 100 each semester.

MINOR. The requirements for the minor in art are as follows: Art 104, 133, 134, 215, 216, any one of 202, 203, 204 or 223 and two courses at the 300 level or above.

WRITING-INTENSIVE COURSE REQUIREMENT. The writing-intensive course requirement is met with Art 497.

INTERNSHIPS. These are an integral part of all programs within the department and provide the student with valuable practical experience in all professional areas.

ART 100 The Visual Experience

Required every semester of all declared art majors. Students will attend specified events or exhibits during each semester and write brief critical essays on those events for classroom discussion (one hour each week). Grading is Pass/Fail. Can be repeated up to seven times. *1/2 Hr.*

ART 101 Introduction to Art

Designed for the student with little or no art experience who wishes to gain understanding of the "language" of art (composition, line, space, color, etc.) and art's significance in human terms. Involves slide presentations and classroom discussions. *3 Hrs.*

ART 104 Drawing I

Emphasis on drawing through close observation of nature and as an expressive medium for communicating felt responses to subject matter. Exercises in contour, gesture, modeled form and light, using still life, landscape and the human figure. Media to include pencil, charcoal and ink. Six hours studio a week. *3 Hrs.*

ART 133 Two-Dimensional Design

Exploration of basic elements of line, pattern, texture, in relation to surface concerns of movement, rhythm and direction; the use of traditional and non-traditional media; various approaches to the organization and interaction of form in two-dimensional space. Six hours studio a week. *3 Hrs.*

ART 134 Three-Dimensional Design

Exploration of basic elements of three-dimensional form and space; use of a wide variety of materials and tools; various approaches to the organization and interaction of form in three-dimensional space. Six hours studio a week. *3 Hrs.*

ART 202 Painting I

Studies in basic structure and color, with emphasis on pictorial elements interpreted through painting media. Six hours studio a week. Prerequisites: Art 104, 133. *3 Hrs.*

ART 203 Sculpture I

Exploration of basic elements of three-dimensional form and space with special emphasis on the exploration of various styles, materials and techniques. Six hours studio a week. Prerequisite: Art 134. *3 Hrs.*

ART 204 Drawing II

An intermediate course based primarily on the study of the human figure, using a variety of drawing media. Six hours studio a week. Prerequisite: Art 104. *3 Hrs.*

ART 215 Ancient to Early Renaissance Art

Survey of stylistic developments in architecture, sculpture, painting and the minor arts of the near east and European countries from prehistoric times to approximately 1500 A.D. *3 Hrs.*

ART 216 High Renaissance Art to the Present Time

Survey of stylistic developments in architecture, sculpture, painting and the minor arts of Europe and America from approximately 1500 to the present day. *3 Hrs.*

ART 223 Ceramics I

Fundamentals of both hand building and throwing on the potter's wheel. Hand-building techniques will include pinch, coil and slab construction. Glaze instructions will stress the relationships between form and color. Six hours studio a week. *3 Hrs.*

ART 227 Photography I

Photography used as an expressive medium and as a tool for exploring visual experience. Emphasis will be on selection and treatment of subject matter. Students will learn necessary skills in photographic technique and become acquainted with the historical development of photography. Six hours studio a week. *3 Hrs.*

ART 302 Painting II

Advanced study with an emphasis on the individual development and experimentation in a chosen painting medium. Six hours studio a week. Prerequisite: Art 202. *3 Hrs.*

ART 303 Sculpture II

Further examination of the theory and practice of sculptural forms begun in Sculpture I. Six hours studio a week. Prerequisite: Art 203. *3 Hrs.*

ART 304 Drawing III

An advanced drawing course encouraging an independent and critical attitude and approach through more extended, student-directed studies in a wide variety of media, including work in color. Six hours studio a week. Prerequisite: Art 204. *3 Hrs.*

ART 307 Art in the United States

Study of the architecture, sculpture, painting and minor arts of the Colonial period through the present, supplementing courses in American social and political history. Prerequisites: Art 215, 216 or permission of the instructor. *3 Hrs.*

ART 310 Printmaking I

Exploration of the basic principles of printmaking through such media as intaglio, lithography or serigraphy. Pictorial composition, sound procedure and techniques are stressed in the program. Six hours studio a week. Prerequisites: Art 104, 133. *3 Hrs.*

ART 315 Art of the Modern Era, 1870 to the Present

Critical examination of major trends in the visual arts from c. 1870 to the present, within the context of developments in science, philosophy, religion, politics, etc. Prerequisites: Art 215, 216 or permission of the instructor. *3 Hrs.*

ART 323 Ceramics II

Continuing exploration of ceramic possibilities including advanced throwing techniques, larger hand-construction projects as well as basic glaze formulation theory. Six hours studio a week. Prerequisite: Art 223. *3 Hrs.*

ART 329 Photography II

Further investigation of photography as a creative medium and advanced photographic techniques. Six hours studio a week. Prerequisite: Art 227. *3 Hrs.*

ART 345 Art and Religion in the West

Critical examination of the visual arts as embodiments of major theological developments from c. 320 A.D. to the present. Prerequisites: Art 215, 216 or permission of the instructor. *3 Hrs.*

ART 384 Ceramic Design

Students develop a repertoire of original decorations and learn to adapt them to a variety of forms. This course includes extensive exposure to the history of ceramic forms and decoration. Prerequisites: Art 133, 323. *3 Hrs.*

ART 402 Painting III

Further exploration in painting on an independent-study basis. Prerequisites: Art 202, 302. *3 Hrs.*

ART 403 Sculpture III

Advanced studies in the exploration of sculptural theory and practice as a means of expression. Six hours studio a week. Prerequisite: Art 303. *3 Hrs.*

ART 406 Special Topics in Studio Art

An in-depth study of the specialized areas not included in the curriculum. Topics to be announced annually. Prerequisite: To be determined according to the nature of the topic. *1, 2 or 3 Hrs.*

ART 407 Topics in Art History

Focus on specific questions of style, traditions and influence as they relate to the emergence and development of art in Europe and America. Topics to be announced annually. Prerequisites: Art 215, 216 or permission of the instructor. *3 Hrs.*

ART 410 Printmaking II

Continued study in intaglio and lithography using color techniques, encouragement of independent exploration within the medium through student-directed assignments. Six hours studio a week. Prerequisite: Art 310. *3 Hrs.*

ART 415 Art Since 1945

Critical examination of the visual arts since World War II, and of their responses to the radical reformulations of philosophical, religious, economic and social attitudes. Prerequisites: Art 215, 216 or permission of the instructor. *3 Hrs.*

ART 423 Ceramics III

A focus on advanced throwing and hand-building techniques directed toward developing a personal style of ceramic forms in either a functional or non-functional framework. Emphasis is on increased control and size of designed forms. Six hours studio a week. Prerequisite: Art 323. *3 Hrs.*

ART 444 Ceramic Materials

This course covers clay materials, glaze chemistry and firing techniques. Special attention is paid to native North Carolina materials. Prerequisites: Art 134, 323. *3 Hrs.*

ART 450 Laboratory in Non-Traditional Media

Directed studies in art forms utilizing unconventional media, ranging from kinetics, neon and multi-track recordings to more sophisticated electronic forms (videotape, synthesized sound, etc.). Class sessions include discussions of critical theory, group critiques and individual tutorial sessions. Prerequisites: upperclass standing; recommendation of departmental sponsor or for elective credit, instructor's permission. Can be repeated once for credit. *3 Hrs.*

ART 451 Independent Studio

Advanced independent work in specialized areas of studio art for the mature, academically advanced student. Open to juniors and seniors with a B average in art and the approval of the department. This course may be repeated for a total of six hours of credit. *1, 2 or 3 Hrs.*

ART 452 Independent Study in Art History

Advanced independent work in specialized areas of art history for the mature, academically advanced student. Open to juniors and seniors with a B average in art and approval of the department. The course may be repeated for a total of six hours of credit. *1, 2 or 3 Hrs.*

ART 460 Sources and Concepts

A seminar course, based on discussions of the participant's studio work. Specifically an examination of concepts and sources from two perspectives: (1) from the student's personal development and experience and (2) from related readings in art history, criticism, psychology, philosophy and other disciplines. Prerequisites: Art 215, 216 or permission of the instructor. *3 Hrs.*

ART 496 Senior Critique, I

Developing and defining a coherent art-critical position. (For studio concentration: assembling portfolio and providing written critical justification of artistic production and aims. For art history concentration: research, development and defense of a critical paper.) To be directed by departmental advisor and evaluated by members of the art faculty. A grade of K will be assigned for ART 496 until ART 497 has been completed. Prerequisite: Senior standing. *1 Hr.*

ART 497 Senior Critique, II

Continuation of Art 496: Senior Critique, I. (For studio concentration, culmination in presentation and defense in senior art show. For art history concentration, delivery of critical/historical paper). To be directed by departmental advisor and evaluated by members of the art faculty. This course fulfills the writing-intensive course requirement. Prerequisite: Art 496 *1 Hr.*

ART 499 Professional Internship

Practical experience under professional supervision outside the college in a variety of areas, such as advertising agencies, art studios, museums, galleries, community art centers and art workshops. Required of graphic design majors, elective for studio concentration majors. Prerequisite: Junior standing. *1, 2 or 3 Hrs.*

Biology

To serve the needs of the liberal arts student the department offers introductory work in biology with a contemporary molecular emphasis relating the field to the physical sciences and other disciplines. A course in marine science is offered in alternate years.

CAREERS. Major study in biology provides basic preparation leading to work in research and medical laboratories, government positions, related businesses, teaching and graduate study in biology, medicine, dentistry, physical therapy or veterinary medicine.

TEACHER CERTIFICATION. Students majoring in biology may earn certification to teach on the secondary level (grades 9-12). Refer to the Education Department section of the *Catalog* for specific requirements.

BIOLOGY INTERNSHIP. Students may gain practical experience in various fields of biological science during their junior or senior year. Details of this program may be obtained from the department chair.

BACHELOR OF ARTS. Requirements for the major: Biology 103, 201, 202, 204, 402, 402L, 460, 496 and 16 additional credit hours from biology courses numbered 200 and above as approved by the major advisor. Students majoring in biology are required to take Chemistry 111 and 112 and two courses from Mathematics 105, 111, 121, 122 or 206. Students majoring in biology are advised to take physics and organic chemistry.

BACHELOR OF SCIENCE. Requirements for the major: Biology 103, 201, 202, 204, 402, 402L, 460, 496 and at least three courses from 207,

300, 304, 401; and three additional hours of biology courses numbered 200 and above as approved by the major advisor. Students majoring in this program are required to take Chemistry 111, 112, 303, 304; Physics 101, 102; Mathematics 121 and either Mathematics 122 or 206. In addition, successful completion of one course of foreign language at the intermediate level is required, that is, completion of 201 or 202.

MINOR. A minor in biology consists of Biology 103, 201, 202, 204 and four hours of approved biology electives from courses numbered 200 and above.

WRITING-INTENSIVE COURSE REQUIREMENT. The writing-intensive course requirement is met with one course chosen from Biology 300, 304, 402 or 403.

NATURAL SCIENCE REQUIREMENT. The Natural Science requirement is met with Biology 103. Students receiving advanced placement may satisfy the Natural Science requirement with a laboratory course at the 200 level or above.

PREREQUISITE. Biology 103 is prerequisite to all courses numbered 200 or above.

BIOL 103 Principles of Biology

An introduction to the principles underlying the activities of living organisms; cell structure and function; heredity; evolution; ecology; laboratory emphasizes the scientific method. Three hours lecture and three hours laboratory a week. Lab fee $25. Prerequisite: High school chemistry or Chemistry 101 or 111. *4 Hrs.*

BIOL 111 Human Anatomy

A study of the structure of the human body. May not count toward a major except in Music Therapy and Nursing. No prerequisite. *3 Hrs.*

BIOL 111L Human Anatomy Laboratory

Study of human osteology; dissection of the cat and other mammalian organs. Three hours laboratory a week. Lab Fee $25. May not be counted toward a major except for students in Music Therapy and Nursing. *1 Hr.*

BIOL 112 Human Physiology

A study of the functions of the human body. Laboratory study designed to demonstrate basic physiological principles. Three hours lecture and three hours laboratory a week. May not count toward a major except in Nursing. Prerequisite: Chemistry 101; Biology 111 is strongly recommended. Lab fee $25. *4 Hrs.*

BIOL 120 Introduction to Medical Microbiology

Principles of microbiology with emphasis on the pathogenic bacteria, viruses, rickettsiae and fungi. Laboratory includes methods for cultivation, isolation and identification of the above. Three hours lecture and three hours laboratory a week. Lab fee $25. May not be counted toward a major except in Nursing. *4 Hrs.*

BIOL 201 Invertebrate Zoology

Study of the invertebrate phyla; comparative anatomy and

physiology, natural history, systematics and evolution. Laboratory includes physiological experiments and emphasizes structure and taxonomy. Three hours lecture and three hours laboratory a week. Lab fee $25. Prerequisite: Biology 103. *4 Hrs.*

BIOL 202 Vertebrate Zoology

A survey of vertebrate phyla with comparative study of structures and their development and evolution. Laboratory includes dissection of vertebrates and microscopic study of embryological structures. Lab fee $25. Prerequisite: Biology 103. *4 Hrs.*

BIOL 204 Botany

Morphological survey of algae, fungi and plants, emphasizing evolutionary adaptation and identification of local flora. Two hours of lecture and four hours of laboratory a week. Prerequisite: Biology 103, Liberal Learning 210. *4 Hrs.*

BIOL 207 Introduction to Microbiology

General survey of microorganisms with emphasis on morphology, metabolism, ecology and identification of bacteria. Laboratory emphasizes basic skills and sterile techniques. Three hours lecture and three hours laboratory a week. Lab fee $25. Prerequisite: Biology 103, Chemistry 111. *4 Hrs.*

BIOL 230 Field Studies in Biology

Includes studies in selected habitats or of particular groups of animals or plants, or travel-study to unusual habitats or ecosystems. Topics are announced in advance. May be repeated with different topics. Prerequisite: Biology 103 or permission of the instructor. *1-4 Hrs.*

BIOL 300 Cell Biology

Study of cell structure and physiology. Laboratory emphasizes research methods, including instruments and techniques used in studying cells. Three hours lecture and three hours laboratory a week. Lab fee $25. This course fulfills the writing-intensive course requirement. Prerequisite: Biology 103, 201, 202, at least one year of college chemistry (Biology 204 recommended). *4 Hrs.*

BIOL 304 Ecology

Relationship of organisms to their environment; populations and communities; aquatic and terrestrial habitats; statistical methods. Laboratory includes both experimental and field studies. Three hours lecture and three hours laboratory a week. Lab fee $25. This course fulfills the writing-intensive course requirement. Prerequisite: Biology 103. Also recommended Biology 201, 202 and 204. *4 Hrs.*

BIOL 309 Marine Biology I

Introduction to oceanography and marine biology emphasizing the ecology, distribution and classification of marine organisms. Two hours lecture and three hours laboratory a week; weekend field trip. Lab Fee $25. Prerequisite/corequisite: Biology 103, 201. *3 Hrs.*

BIOL 310 Marine Biology II

An intensive study of costal habitats; identification of local fauna

and flora. This course meets for one week during the summer session. Prerequisite: Biology 309. *1 Hr.*

BIOL 315 Histology and Microtechnique

The study of animal cells, tissues and organs. Laboratory emphasizes practical experience in preparation of microscope slides. Lab fee $25. Prerequisite: Biology 103, 202. *4 Hrs.*

BIOL 380 Research Participation

An introduction to biological research by participation in research with faculty. Students will conduct individual investigations and present the results of their work at the end of the term. Prerequisite: Biology 103 and permission of the instructor. *3 Hrs.*

BIOL 390, 391 Laboratory Assistant in Biology

Practical experience as a laboratory assistant in the department. May be repeated once for credit. Grading is P/NR. Prerequisite: 12 hours of biology with a grade of B or better and permission of the department. *0 Hrs., 1 Hr.*

BIOL 401 Comparative Physiology

Study of the function of vertebrate systems. Comparisons made to invertebrate systems where appropriate. Includes lecture and laboratory experimentation. Three hours lecture and three hours laboratory a week. Lab fee $25. Prerequisite: Biology 103 and 202, Chemistry 112. *4 Hrs.*

BIOL 402 Genetics

Principles of heredity and variation in plants and animals. Does not count toward major without Biology 402L. Three hours lecture a week. This course fulfills the writing-intensive course requirement. Prerequisite: Biology 103; Mathematics 121 or permission of the instructor. *3 Hrs.*

BIOL 402L Genetics Laboratory

Laboratory methods in breeding genetically important species. Three hours laboratory a week. Lab fee $25. Corequisite: Biology 402. *1 Hr.*

BIOL 403 Developmental Biology

A study of the development of animals set within the framework of classical embryology and current molecular biology. Emphasis will be placed on the molecular events which govern the processes of fertilization, cleavage, gastrulation, organogenesis and pattern formation. The laboratory will highlight experimental approaches to studying development. Lab fee $25. This course fulfills the writing-intensive course requirement. Prerequisites: Biology 103, 201, 202 and Chemistry 112. A corequisite of Chemistry 303 is recommended. *4 Hrs.*

BIOL 430 Topics in Biology

This course provides the opportunity for a faculty member and a group of interested students to study a subject that is not offered on a regular basis in the curriculum. Topics are announced annually. May be repeated for credit under different subtitles. Lecture and laboratory hours vary with the hours credit and the course taught. Prerequisites:

Biology 103 and permission of the instructor; may vary with topic. *1, 2, 3 or 4 Hrs.*

BIOL 450 Independent Studies in Biology

Research projects in the area of the student's interest; written report and/or oral examination may be required; summer research in marine biology. May be taken more than once, but total credits may not exceed six hours. Prerequisite: Biology 103 and permission of the instructor. *1, 2, 3 or 4 Hrs.*

BIOL 460 Biology Seminar

Invited guests, faculty and students present oral reports on topics of their specific interest and experience in biology and related fields. One hour per week lecture or discussion. May be repeated for credit. Prerequisite: eight hours of biology above the 100 level or permission of the instructor. *1 Hr.*

BIOL 496 Senior Biology-Independent Review

A capstone review and synthesis of basic principles of structure and function in plants, animals and microorganisms; review of principles of population genetics, evolution and ecology. This course is designed to help students prepare for senior and professional examinations. Prerequisite: 24 hours in biology courses and permission of the instructor. Graded P/F. *2 Hrs.*

BIOL 499 Biology Professional Internship

Practical experience under supervision in the field of biological science. Prerequisite: At least 24 credits in biology and permission of the department. 1, 2 or 3 Hrs.

Business Administration

The Department of Business Administration offers courses that emphasize the concepts and skills for understanding business practices, organizations and managerial responsibilities.

The department offers two majors, business administration and accounting and both majors lead to the Bachelor of Arts degree.

CAREERS. A major in business administration prepares the student for understanding the functional areas of business, human relations in organizations and strategic policy-making issues. There are technical, human relations and conceptual skills related to entering supervisory, managerial, or professional careers in business, government or non-profit organizations.

A major in accounting prepares people to enter careers in accounting. Both majors prepare people for graduate-level study in accounting, finance, marketing, management and related fields.

BUSINESS ADMINISTRATION MAJOR. Requirements for the B.A. degree with a major in business administration include: Core Courses: BCIS 110; Business Administration 207, 208, 305, 320, 324, 333, 340, 360, 485; Mathematics 105 and 206; Economics 203 and 204; and six hours of 300-level or 400-level business or economics electives.

BUSINESS ADMINISTRATION MINOR. Requirements for the

business administration minor include: Economics 203 and 204; Business Administration 207, 208, 305, 320, 340 and 360.

ACCOUNTING MAJOR. Requirements for the B.A. degree with a major in accounting include: Core Courses: BCIS 110; Business Administration 207, 208, 305, 320, 324, 333, 340, 360, 485; Mathematics 105 and 206; Economics 203 and 204; and Business Administration 307, 308, 311, 313, 315, 316 and 317.

ACCOUNTING MINOR. Requirements for the accounting minor include Business Administration 207, 208, 307, 308, 311 and 316.

COMPUTER INFORMATION SYSTEMS CONCENTRATION. Requirements for a concentration in computer information systems for majors of business administration or accounting include: BCIS 105, 240, 250 and 350.

INTERNATIONAL BUSINESS ENVIRONMENT CONCENTRATION. Requirements for a concentration in international business environment for majors of business administration or accounting include: Business Administration 420 and three courses selected from Economics 454; History 307, 317, 319, 386, 388; Political Science 250, 270, 301, 305, 306, 425; Sociology 313. Students will be required to consult with the international business coordinator in the Business Division in order to identify a focused set of courses (e.g., Modern Europe or Third World). Special topics courses may be added to this list.

MARKETING CONCENTRATION. Requirements for a concentration in marketing for majors of business administration or accounting include: Business Administration 340, 452, 453; and two courses from Business Administration 351, Business Administration 353 or Communications 341, Business Administration 420 and Business Administration 441.

WRITING-INTENSIVE COURSE REQUIREMENT. The writing-intensive course requirement is met with Business Administration 324.

Students majoring in business administration or accounting must select at least 48 hours from courses outside the Business Department. Students cannot double major in business administration and accounting.

Students should be advised that several upper-level courses in accounting and computer information systems are offered only in evening sessions.

Liberal Learning 410 may be substituted for Business Administration 320, Business Ethics.

BCIS 110 Fundamentals of Microcomputers

This course introduces the fundamentals of computing processes, including hardware and software. Business application topics include spreadsheet, database and word processing. Note: Students may not receive credit both for this course and CSCI 105. *3 Hrs.*

BUSN 115 Introduction to Business

An introduction to each of the principal areas of the business curriculum: accounting, finance, management and marketing, as well as

the role of business in American society and the nature of the private enterprise system. *3 Hrs.*

BUSN 207 Financial Accounting I

An introduction to financial accounting principles. Topics to be covered include recording of transactions, preparation of various journals, posting of ledgers and preparation of income statements and balance sheets. *3 Hrs.*

BUSN 208 Financial Accounting II

An introduction to the theory, methods and uses of accounting information in solving business problems. Topics include accounting for partnerships, corporations and income taxes. Prerequisite: Business Administration 207. *3 Hrs.*

BUSN 211 Students in Free Enterprise

Students in Free Enterprise, SIFE, is a not-for-profit organization that works in partnership with business and higher education to help college students gain a greater understanding of business economics and the free-enterprise system. It also helps students gain the communication, leadership, and teamwork experience they'll need to succeed in business and in other careers. The class is available to any student in the College of Arts and Sciences with permission of the instructor. It may be repeated for additional credit up to a maximum of four credits at one per year. *1 Hr.*

BUSN 305 Business Law I

An introduction to law with an emphasis on the legal rights and duties of the individual engaged in business. Topics to be covered include contracts, sales, personal property and bailments. Prerequisite: Sophomore standing. *3 Hrs.*

BUSN 307 Intermediate Accounting I

A study of financial accounting theory and generally accepted accounting principles. Topics include special problems of presentation in regard to cash, receivables, inventories, plant and equipment. Prerequisites: Business Administration 207 and 208. *3 Hrs.*

BUSN 308 Intermediate Accounting II

A continuation of the study of the financial accounting theory along with generally accepted accounting principles. Topics include special problems of presentation in regard to liabilities, leases, pensions, equity, income taxes, earnings per share and changing prices. Prerequisite: Business Administration 307. *3 Hrs.*

BUSN 311 Cost Accounting

A study of cost accounting systems including problems of cost determination. The course will emphasize the development of techniques for use in managerial decision-making such as standard costs and budgeting. Other topics include cost-benefit analysis, break-even analysis and capital budgeting. Prerequisites: Business Administration 207 and 208. *3 Hrs.*

BUSN 313 Auditing

A study of auditing standards as they relate to internal, external and public-sector auditing. Topics to be covered include auditing theory

and ethics, responsibilities and legal liability, audit evidence, audit method and the audit report. Prerequisite: Business Administration 308. *3 Hrs.*

BUSN 315 Business Law II

A continuation of the study of law as it affects the individual engaged in business. Topics include agency, partnerships, corporations, real property and government regulation of business. Prerequisite: Business Administration 305. *3 Hrs.*

BUSN 316 Federal Taxation

A comprehensive study of the federal tax system. Topics include income, deductions, credits and exclusions. Prerequisites: Business Administration 207 and 208. *3 Hrs.*

BUSN 317 Advanced Accounting

An advanced study of financial accounting theory and application. Topics include external reporting, consolidations, partnerships, governmental accounting and fiduciary accounting. Prerequisite: Business Administration 308. *3 Hrs.*

BUSN 320 Business Ethics

Analysis of business policies and practices with respect to their social impact; patterns of governmental regulations; political activities of trade associations and other special-interest groups; the relationship between public policy and the growth of corporate enterprise and the social responsibilities of business management. *3 Hrs.*

BUSN 322 Management Science and Decision Support Systems

An introduction to practical quantitative techniques that can be successfully applied to management problems. Techniques covered include decision trees, linear programming, inventory models, simulation and network models. While most of these techniques are available in various computer software packages and the computer will be used to some degree, the emphasis in this course is on developing a basic understanding of the concepts and techniques themselves. Prerequisites: Mathematics 103 or 105 and 206. *3 Hrs.*

BUSN 324 Report Formulation and Presentation

Basic techniques of business research; report preparation and presentation, both written and oral. Emphasis on organization, clarity, brevity, styles, use of visual aids. This course fulfills the writing-intensive course requirement. Prerequisite: Junior standing. *3 Hrs.*

BUSN 326 Advanced Federal Taxation

A comprehensive study of federal taxation of partnerships, corporations, estates, and trusts. Prerequisite: Business Administration 316. *3 Hrs.*

BUSN 328 Information Processing Systems for Management

This course provides students with a basic understanding of information processing systems for management. The primary focus of the course is on the development and administration of information

systems and on computer applications, with only a brief overview of hardware, software, peripherals and communications. *3 Hrs.*

BUSN 331 Personnel Administration

A study of the personnel function in the organization. Topics covered include job design, staffing, performance appraisal, training and development, compensation and collective bargaining. Current topics in the law (OSHA, Fair Employment Regulations, etc.) which affect the personnel function are considered. *3 Hrs.*

BUSN 333 Principles of Management

A basic survey of management theory with emphasis on the functional and task requirements of management and behavioral considerations. Specific topics include the planning, organizing and controlling functions of management; contemporary models of organizational design; motivation and performance; and group behavior and influence processes. *3 Hrs.*

BUSN 340 Marketing

A study of the interrelationship between marketing functions and the other primary functions of firms or organizations. An analytical survey is made of the problems of product planning, pricing, promotion, channels of distribution and legislation affecting marketing activities as related to the satisfaction of individual consumer and societal wants and needs. *3 Hrs.*

BUSN 351 Consumer Behavior

An overall view of some of the basic perspectives of consumer behavior. An interdisciplinary approach will be stressed including the fields of economics, psychology, sociology and anthropology as related to marketing. Emphasis is placed on the fundamental processes of motivation, perception and learning, as well as analysis of individual and group influences as related to the marketing of goods and services. Prerequisite: Business Administration 340. *3 Hrs.*

BUSN 353 Promotion Management

A study of the promotion activities of personal selling, advertising, public relations/publicity and sales promotion as part of overall marketing strategies and budgets. Prerequisite: Business Administration 340. *3 Hrs.*

BUSN 360 Corporate Finance

Introduction to basic concepts, principles and analytical techniques of financial management. Emphasis on planning and managing assets. Topics include formulating financial objectives, short-term financial analysis, financial forecasting and planning, current asset management, elementary capital budgeting and cost of capital, the nature of long-term sources of funds, analysis of risks in financial decisions involving alternative investment options, mergers and acquisitions, problems in valuation, dividend policy, financial leverage and determination of optimal capital structure. Prerequisites: Business Administration 208; Economics 203 and 204; and Mathematics 206. *3 Hrs.*

BUSN 372 Personal Financial Management

A study of the management of personal and family affairs. Includes

income and expenditure planning, credit and borrowing, personal savings, taxes, insurance, social security, investing and retirement and estate planning. *3 Hrs.*

BUSN 420 International Business

Survey and analysis of similarities and differences in management and business practices in selected countries in diverse parts of the world. Evaluation of socio-economic, political, legal, educational and cultural factors on managerial decision-making and business practices in specific environments. Some use of case analysis. Prerequisites: Economics 203 and 204; Business Administration 340. *3 Hrs.*

BUSN 421 Organizational Behavior

An examination of the behavioral aspects of organizations within our society. Specific topics include the interrelationships between the individual, informal and formal groups; group formation, cohesiveness, conformity and norms; interpersonal communications; conflict; authority, power and influence; leadership, motivation and performance. Students may elect this course as Psychology 421. *3 Hrs.*

BUSN 432 The Entrepreneurial Enterprise

A study of the characteristics which distinguish an entrepreneurial enterprise from the concepts of the small business and the large firm. Present and past case histories will be used to examine the risks and opportunities facing the entrepreneurial firm. The methods used to determine the feasibility of successfully establishing a company and to develop a business plan for entrepreneurial ventures will be studied. Prerequisites: Business Administration 333, 340 and 360 or permission of the instructor. *3 Hrs.*

BUSN 441 Retail Strategy and Management

An examination of the basic functions, institutions and activities of retailing goods and services with an emphasis on development and implementation of business strategy and management. Includes evaluation and selection of target markets, design of merchandising plan, as well as financial implications of strategy. Prerequisite: Business Administration 340. *3 Hrs.*

BUSN 452 Marketing Management

A study of the marketing strategies used by management under a variety of circumstances and within a variety of business and organizational settings. The case analysis method is utilized. Prerequisite: Business Administration 340. *3 Hrs.*

BUSN 453 Marketing Research

An introduction to the research and methods used in the marketing process. Areas given emphasis include sources of market data, sampling surveys, interpretation of data and the relationship of market research to the policies and functions of a business. Prerequisite: Business Administration 340 and Mathematics 206. *3 Hrs.*

BUSN 470 Principles of Investment

A study of the economic and investment environment as it relates to security investment decisions. Introduction to the concepts and techniques relevant to the formulation of investment objectives,

strategies and policies for individual and institutional investors. An elementary treatment of portfolio theory and the capital asset pricing model. Prerequisite: Business Administration 360. *3 Hrs.*

BUSN 472 Seminar in Financial Management

In-depth treatment of advanced problems in managerial finance. Topics include working-capital management, capital budgeting, cost of capital, valuation, dividend policy and long-term financial management. Extensive use of cases. Prerequisite: Business Administration 360. *3 Hrs.*

BUSN 485 Business Policy

Designed to develop analytical skills in strategy formulation and implementation and an integrated view of business operations. Provides a basic grasp of policy problems in a variety of business and governmental settings through the use of case studies. Prerequisites: Economics 203 and 204; Business Administration 207, 208, 305, 320, 324, 333, 340, 360; or permission of the instructor. *3 Hrs.*

BUSN 492 Current Topics

Course designed to investigate and evaluate current topics or specialized areas of business. Course topic is to be announced the semester preceding the offering. Prerequisite: To be designated for each specific course offered. *3 Hrs.*

BUSN 495 Independent Research/Study

A program of directed readings or a research project. Requires approval of the supervising professor, the division chairman and the vice president for academic affairs. Open to senior business majors with a 3.000 grade-point average in the major. *1, 2 or 3 Hrs.*

BUSN 499 Business Professional Internship

Students are placed with private or governmental organizations where they receive on-the-job work experience. Note: Graded on Pass/Fail basis. Prerequisites: Economics 203 and 204; Business Administration 207 and 208 and 12 hours of business courses at the 300-400 level. *3 Hrs.*

Chemistry

The chemistry program is designed to provide an educational experience with considerable depth in science and mathematics. Students are prepared by this program to go into industry or to pursue careers in chemistry and medicine requiring graduate study or formal professional training in medical school. Small class size insures each upper-level student access to lab instruments.

CAREERS. Students planning to pursue careers in science and medically related fields should take courses in chemistry. These careers include chemistry, biochemistry, biology, forensic science, medicine, nursing, laboratory technology, medical technology, dental technology, physical therapy and veterinary medicine.

BACHELOR OF SCIENCE IN BIOCHEMISTRY.

Requirements for the major: Chemistry 111, 112, 303, 304, 306, 307, 308, 403, 404 and the accompanying laboratories; 16 credit hours in biology

courses including eight chosen from Biology 207, 300, 402, 402L; Computer Science 131; Mathematics 121, 122; Physics 101 and 102. Chemistry 390, 391, 405 or 499 and Mathematics 221 are recommended. Credit will not be given for both Chemistry 101 and 111 or Chemistry 102 and 112. In addition, successful completion of one course of foreign language at the intermediate level is required, that is, completion of 201 or 202.

MINOR. A minor in chemistry requires completion of any three courses in chemistry beyond the 100 level.

A minor in biochemistry requires completion of Chemistry 303, 304, 403 and 404.

NATURAL SCIENCE REQUIREMENT. The Natural Science Requirement is met with Chemistry 101 or 111.

WRITING-INTENSIVE COURSE REQUIREMENT. The writing-intensive course requirement is met with one course chosen from Chemistry 403 or 404.

LABORATORIES. The department requires a student to register for a laboratory with each class course below Chemistry 405.

CHEM 101 General Chemistry I

This course includes the structure of the atom; the structure of the nucleus and nuclear chemistry; the Periodic Table; chemical bonding; solids, liquids and gasses; and stoichiometric relationships, the properties of solutions, colloidal systems, chemical equilibria and hydrocarbons. Three hours lecture per week. Designed primarily for non-science majors. *3 Hrs.*

CHEM 102 General Chemistry II

This course is an introduction to organic chemistry and biochemistry, including functional groups, reactions and synthesis. Three hours lecture per week. Primarily for non-science majors. Prerequisite: Chemistry 101 or permission of the instructor. *3 Hrs.*

CHEM 111 Chemistry Principles I

The study of atomic and molecular structures, electronegativity, the relationships of Periodic Table, covalent, ionic and metallic bonding, molecular orbitals, enthalpy and entropy. Three hours lecture per week. Designed primarily for science majors. *3 Hrs.*

CHEM 112 Chemistry Principles II

The study of chemical equilibria, reaction rates, free energy, electrochemistry, acids, bases and pH and an introduction to carbon chemistry. Three hours lecture a week. Designed primarily for science majors. Prerequisite: Chemistry 111 or its equivalent. *3 Hrs.*

CHEM 303 Organic Chemistry I

Introductory course including an integrated survey of the more important compounds of the aliphatic and aromatic series; emphasis on problems in organic synthesis. Three hours lecture a week. Prerequisite: Chemistry 112 or permission of the instructor. *3 Hrs.*

CHEM 304 Organic Chemistry II

Theoretical course treating the mechanisms of organic reactions in terms of modern structural theories. Three hours lecture a week. Prerequisite: Chemistry 303 or permission of the instructor. *3 Hrs.*

CHEM 306 Instrumental Analysis I

Introduction to instrumentation and instrumental analysis with emphasis on fundamental electronic units, instrument design and construction and analytical application. Three hours lecture a week. Prerequisite: Chemistry 112 or permission of the instructor. *3 Hrs.*

CHEM 307 Instrumental Analysis II

A second course in instrumental analysis with emphasis on analytical methodology. Three hours lecture a week. Prerequisite: Chemistry 306. *3 Hrs.*

CHEM 308 Physical Chemistry

Study of the structure of gases, the physical properties of matter, the laws of thermodynamics and the principles of equilibria. Three hours lecture a week. Offered alternate years. Prerequisites: Chemistry 112, Physics 101, Mathematics 121, 122 or permission of the instructor. *3 Hrs.*

CHEM 390, 391 Laboratory Assistant in Chemistry

Practical experience as a laboratory assistant in the department. Chemistry 391 may be repeated once for credit. Grading is P/NR. Prerequisites: 12 hours of chemistry with a grade of B or better and permission of the department. *0 Hrs., 1 Hr.*

CHEM 403 Biochemistry I

Study of protein conformation and function; mechanisms and regulation of enzyme action; generation and storage of metabolic energy. Three hours lecture a week. This course fulfills the writing-intensive course requirement. Prerequisite: Chemistry 304. *3 Hrs.*

CHEM 404 Biochemistry II

Study of the metabolism of biomolecules: biosynthesis of macromolecules; storage, transmission and expression of genetic information. This course fulfills the writing-intensive course requirement. Prerequisite: Chemistry 403, Biology 300 or permission of the instructor. *3 Hrs.*

CHEM 430 Topics in Chemistry

This course provides the opportunity for a faculty member and a group of interested students to study a subject that is not offered on a regular basis in the curriculum. Topics are announced annually. May be repeated for credit under different subtitles. Prerequisite: One year of college chemistry. May vary with topic. *1, 2, 3 or 4 Hrs.*

CHEM 450 Directed Individual Studies

Individual research conducted by the student. Three, six or nine hours of consultation and laboratory work a week. Prerequisite: Open to advanced students by permission of the instructor. *2, 3 or 4 Hrs.*

CHEM 499 Chemistry Professional Internship

Practical experience in the field of chemistry or biochemistry. Prerequisites: 20 hours in chemistry courses and permission of the department. *1, 2 or 3 Hrs.*

Chemistry Laboratories

CHEM 101L Introduction I

This laboratory introduces the student to elementary glass-working, general laboratory equipment and techniques, the principles of quantitative operations and qualitative analysis. Three hours laboratory a week. Lab fee $25. *1 Hr.*

CHEM 102L Introduction II

The student in this laboratory is introduced to semi-micro techniques, chromatography and elementary organic and biochemical techniques. Three hours laboratory a week. Lab fee $25. Prerequisite: Chemistry 101L or permission of the department. *1 Hr.*

CHEM 111L Introduction III

This laboratory introduces students to general laboratory equipment and techniques and the principles of gravimetric analysis. Lab fee $25. *1 Hr.*

CHEM 112L Introduction IV

This laboratory introduces buffers, colligative properties, semi-micro techniques and volumetric and qualitative analysis. Lab fee $25. *1 Hr.*

CHEM 303L Synthesis I

This course introduces the student to the basic experimental techniques of chemical synthesis of organic compounds. Three hours laboratory a week. Lab fee $25. Prerequisite: Chemistry 112L. *1 Hr.*

CHEM 304L Synthesis II

A continuation of Laboratory 303L and the introduction of the student to organic qualitative analysis. Three hours laboratory a week. Lab fee $25. Prerequisite: Chemistry 303L. *1 Hr.*

CHEM 306L Instrumentation I

The student is introduced to the practical aspects of instrument design and construction and to the calculations and techniques of quantitative analysis. Three hours laboratory a week. Lab fee $25. Prerequisite: Chemistry 112L or permission of the instructor. *1 Hr.*

CHEM 307L Instrumentation II

The student undertakes the practical evaluation of experimental methods and instruments best suited for specific advanced analytical problems. Three hours laboratory a week. Lab fee $25. Prerequisite: Chemistry 306L. *1 Hr.*

CHEM 308L Physical Chemistry

The student is introduced to the basic devices for precise physical and chemical measurements. Three hours laboratory a week. Lab fee $25. Prerequisite: Chemistry 307L or permission of the instructor. *1 Hr.*

CHEM 403L Biochemistry I

Basic principles and techniques of biochemistry laboratory investigation introduced; work is quantitative in nature. Three hours laboratory a week. Lab fee $25. Prerequisite: Chemistry 304L or permission of the instructor. *1 Hr.*

CHEM 404L Biochemistry II

This course is a continuation of Laboratory 403L with special emphasis given to advanced biochemical methodology and to quantitative measurement. Three hours laboratory a week. Lab fee $25. Prerequisite: Chemistry 403L. *1 Hr.*

Communications

Students in communications should strive for excellence in writing. The communications major challenges the student to achieve the first goal for success in this field (the goal which most employers stress above any other): the ability to write effectively and correctly. Further, the courses analyze the complex interaction of the mass media and society as they reveal the exciting career opportunities open to the student in the rapidly expanding field of communications.

Students work closely with their advisors in planning the total program. This program must include at least one internship, which is of major importance to the program. Queens students engage in internships in television, radio, public relations, advertising, journalism, publishing and corporate communications. As one of the most rapidly expanding centers of communications in the southeast, Charlotte offers many opportunities to the student.

MAJOR. The communications major consists of a core of 29 hours, as follows: Communications 110, 200, 204, 207, 415, 499; English 301, 302, 330; and two hours from Communications 212 or 213; and a concentration of 12 hours in

Journalism: Communications 304, 306; one course from Communications 103, 231, 232; and one course from History 202, 204, Political Science, 201, 202, 206, 250.

OR

Corporate: Business 324, 340; Communications 341, 342.

Majors must work on one of the two college publications (the newspaper or the yearbook) for at least two semesters. Up to three hours of credit in these practica may count as credit toward the major. The student may earn no more than six additional hours of credit working on college publications.

MINOR. The communications minor consists of a total of 20 hours, as follows: Communications 110, 204, 207, one course at the 300 level; Communications 499; and two semesters (two credit hours) in Communications 212 or 213. For the student who is not an English major, English 201 is also required.

WRITING-INTENSIVE COURSE REQUIREMENT. The writing-intensive course requirement is met with Communications 207.

COMM 103 Voice and Diction

An analysis of each student's voice, articulation and pronunciation with the aim of identifying and correcting non-standard speech habits. Through use of the International Phonetic Alphabet and language laboratory equipment, concentration will be centered upon the perfection of vowels, diphthong and consonant sounds. Directed exercises will give the students practice in the improvement of voice and diction. Dialectical problems are analyzed and corrected. Note: Students may elect this course as Dramatic Art and Speech 103. *3 Hrs.*

COMM 110 Introduction to Mass Communications

An introduction to the major fields of communications (television, radio, film, newspapers, magazines, advertising and public relations) and to the importance of communications in modern American society. Some attention will be paid to the history of the media and to the laws, pressure groups and regulatory agencies which influence them. *3 Hrs.*

COMM 200 Public Speaking

This course will develop students' ability to prepare and deliver an effective speech in a variety of formats. Rhetoric, logic, diction, body language and other necessities of speaking in public will be addressed. There will be ample opportunity for students to deliver speeches and critique each others' performances. *3 Hrs.*

COMM 204 Introduction to News Writing and Editing

Studies of newspaper methods and the techniques of news writing, with emphasis on basic editing. Prerequisites: Communications 110 and English 110 and 120 or permission of the department. *3 Hrs.*

COMM 207 Nonfiction Writing

Expository writing based upon topics and readings to be assigned by the instructor. The student will be expected to write knowledgeable expository prose based upon thought, reading and research. This course fulfills the writing-intensive course requirement. Prerequisites: English 110 and 120 or permission of the department. Students may elect this course as English 207. *3 Hrs.*

COMM 212 Practicum in Communications, *Areté*

Practical work in producing the college yearbook, *Areté*. Open to all students. Grading is Pass/Fail. *1 Hr.*

COMM 213 Practicum in Communications, *Paw Print*

Practical work in producing the student newspaper, *PawPrint*: includes regular journalism workshops with instructor and editors. Prerequisite: Communications 204 or permission of instructor. Grading is Pass/Fail. *1 Hr.*

COMM 231 History of Film

Introduction and historical analysis of the development of cinema from the silent era to the contemporary avant garde: includes survey of technological developments, evolution of popular genres and the achievements of significant directors and their landmark films. Note: Students may elect this course as Dramatic Art and Speech 231. *3 Hrs.*

COMM 232 Film Criticism

Introduction to film theory and the study of film as an art form, with detailed discussion of individual films for technical and aesthetic achievement. Students will analyze the work of prominent film critics and put theory to practice in their own critical reviews of films screened in class. Prerequisites: Communications 110 and English 120 or permission of the department. Note: Students may elect this course as Dramatic Art and Speech 232. *3 Hrs.*

COMM 304 Advanced Writing for the Media

Advanced study of the techniques of writing for the media, with emphasis on the development of specialized skills and research techniques. Prerequisites: Communications 204 and 307. *3 Hrs.*

COMM 306 Introduction to Creative Writing

Study of principles of creative writing, with special attention to the various forms. The course will include study of principles of writing, with special attention to observation and reflection, form and meaning, modern usage and effective expression. Note: Students may elect this course as English 306. *3 Hrs.*

COMM 308 Creative Writing

Practice in writing and in criticism of the essay, short story and poem in view of a final piece of sustained, related work, for students with interest in and aptitude for composition. Prerequisite: Communications 306. Note: Students may elect this course as English 308. *3 Hrs.*

COMM 341 Advertising

An introduction to the concepts, methods and materials of advertising, this course will explore the techniques of preparing a finished campaign from the research stage through market analysis to lay out, design and final presentation to a prospective client. The course will employ a case approach. A final project required. *3 Hrs.*

COMM 342 Public Relations

An introduction to public relations strategies for businesses and other organizations who must communicate with the public. The course will explore the media, methods and ethics of how an institution interacts with a variety of audiences. *3 Hrs.*

COMM 350 Independent Study in Communications

This course involves an independent investigation of a period in the history of mass communications or of the influence of mass media on contemporary culture or of a topic related to other particular facets of the study of mass communications: for example, journalism, television, radio, magazines, advertising or some aspect of American popular culture. Open to junior and senior majors with a 3.000 average in communications. Prerequisites: Communications 110, 204 and permission of the department. *3 Hrs.*

COMM 360 Topics in Communications

Intensive consideration of a single topic in communications. The topics for the course will vary from term to term and may range from a consideration of the work of a single individual to a study of the general

movement. Open to majors and to others with the permission of the department. May be taken twice with different subtitles. *3 Hrs.*

COMM 361 Topics in Journalism

Intensive consideration of a single topic in journalism. The topic for the course will vary from term to term and may range from a consideration of the work of a single individual to a study of the general movement. *3 Hrs.*

COMM 415 Media Ethics

Analysis of media policies and practices with respect to their social impact: governmental regulations of the media; libel laws; pressure groups and their influence; the social responsibilities of media management; other ethical issues confronting persons in communications. Required of all senior majors. *3 Hrs.*

COMM 499 Communications Professional Internship

This course involves a period of practical experience in some aspect of communications -- a radio or television station, a newspaper office, an advertising agency or the editorial office of a magazine. May be taken for up to nine hours of credit. Evaluation by the faculty sponsor is based on review of the student's written assignment(s) and the on-site supervisor's evaluation. Open to junior and senior majors only. Prerequisites: Communications 110, 204, 207 and permission of the department. *1, 2 or 3 Hrs.*

Computer Science

BACHELOR OF ARTS. Requirements for the mathematics major with a concentration in computer science: Mathematics 121, 122, 209, 221, 303, 401, 405; one course from Mathematics 402, 406, 409; Computer Science 131, 132, 231, 325, 355, 370; and three additional hours taken from courses at the 400 level. Physics 101 and 102 are strongly recommended.

WRITING-INTENSIVE COURSE REQUIREMENT. The writing-intensive course requirement is met with Mathematics 401.

CSCI 105 Computer Applications for the Liberal Arts

A survival course in how to utilize the current computing facilities at Queens. Use of systems software, word processing, spreadsheets and database management system. Note: Students may not receive credit for both this course and BCIS 110. *3 Hrs.*

CSCI 131 Computer Science I

Problem-solving processes, algorithmic design, structured programming in a procedural language, debugging and testing techniques; Pascal is the current implementation language used; Prerequisite: Placement into category A or B on the Mathematics Proficiency Test or permission of the instructor. *3 Hrs.*

CSCI 132 Computer Science II

A continuation of CSCI 131. Rigorous development of algorithms and computer programs; elementary data structures like stacks, queues

and linked lists; recursive procedures plus elementary searching and sorting techniques. Prerequisite: Computer Science 131. *3 Hrs.*

CSCI 231 Data Structure and Algorithm Analysis

Theory of and advanced techniques for representation of information; review of stacks, queues and linked lists; trees and graphs; analysis of algorithms; hashing techniques; and advanced techniques for searching and sorting. Prerequisite: Computer Science 132. *3 Hrs.*

CSCI 325 Computer Organization and Assembly Language

Organization of a computer, its basic components and addressing techniques; assembly language programming; assembling, linking, running and debugging programs; and macros. Prerequisite: Computer Science 132. *3 Hrs.*

CSCI 355 Computer Architecture

Digital logic circuits and digital components; data representation; register transfer and microoperations; designing and programming the basic computer plus microprogramming; the central processing unit; input-output organization; and memory organization. Both main-frame and microcomputer structure will be covered. Prerequisite: Computer Science 231. *3 Hrs.*

CSCI 370 Operating Systems

Basic concepts and terminology of operating systems; processor and memory management; process control; input-output devices and secondary storage; files and protection; and case studies. Both DOS and VAX/VMS systems will be emphasized. Prerequisite: Computer Science 231. *3 Hrs.*

CSCI 431 Database Design and Implementation

Database organization; database models: relational, inverted list, hierarchical and network; data description and manipulation languages for relational models; a mathematical study of relational models; and a major project to design database related software. Prerequisite: Computer Science 231. *3 Hrs.*

CSCI 432 Programming Languages

A brief survey and evaluation of major programming languages; language design, syntax and semantics; structure of algorithms; control structures and data flow in programs; and a major project involving a comparative study of languages. Prerequisite: Computer Science 231. *3 Hrs.*

CSCI 450 Independent Studies in Computer Science

Research projects in the area of the student's interest; written report will be required. May be taken more than once but total credits may not exceed four hours. Prerequisite: Open to advanced students by permission of the instructor. *1, 2, 3 or 4 Hrs.*

CSCI 470 Topics in Computer Science

This course provides the opportunity for a faculty member and a group of interested students to study a subject that is not offered on a regular basis in the curriculum. Topics may be announced annually.

May be repeated for credit under different subtitles. Prerequisite: One year of college computer science. May vary with topic. Lecture and laboratory hours vary with the hours credit and the course taught. Courses on Artificial Intelligence and Robotics and Computer Graphics are some examples of courses that may be offered under the title "Topics in Computer Science." *1, 2, 3 or 4 Hrs.*

CSCI 499 Computer Science Professional Internship

Practical experience under supervision in the field of computer science. Prerequisites: At least 12 hours in computer science and permission of the department. *1, 2 or 3 Hrs.*

Dramatic Art and Speech

MAJOR IN ENGLISH/DRAMA. Students may major in English/Drama. Such a major provides the opportunity for concentrated work in dramatic literature and theatrical production. Electives may be chosen from the related fields of literature, dance and music. This major will introduce the student to all phases of theatrical and dramatic theory and practice.

Requirements for the major: English 313; Dramatic Art 220, 250, 303, 304, 317 (minimum twice or 317 once and 318 once), 352, 451; 12 additional hours to be selected from Dramatic Art 327 (Modern Drama), 320 (Stage Design Studio), 336 (Tragedy), 337 (Comedy), 350 (Advanced Acting), 231 (Film History), 232 (Film Criticism), 450 (Directed Study), 499 (internship with off-campus theater company or other practical project selected in consultation with advisor). Total requirement-minimum 35 hours.

MINOR. Students other than English majors are offered the option of declaring a minor in English/Drama. Twenty-one hours are required: English 201, Dramatic Art and Speech 317, plus nine hours from the following: Dramatic Art and Speech 103, 250, 303, 304, 315 and 352; plus six additional hours from English 313, Dramatic Art and Speech 231, 232, 336, 337, 350, 450.

WRITING-INTENSIVE COURSE REQUIREMENT. The writing-intensive course requirement is met with Drama 250.

DRAM 103 Voice and Diction

An analysis of each student's voice, articulation and pronunciation with the aim of identifying and correcting non-standard speech habits. Through use of the International Phonetic Alphabet and language laboratory equipment, concentration will be centered upon the perfection of vowels, diphthong and consonant sounds. Directed exercises will give the students practice in the improvement of voice and diction. Dialectical problems are analyzed and corrected. Note: Students may elect this course as Communications 103. *3 Hrs.*

DRAM 220 Theatrical Production Technique

Introduction to the technical and business elements of theatrical production -- scenery, lighting, costumes, sound, public relations, box office, etc. This course examines these elements both individually and

collectively as integral parts of a production and looks at how they tie into and must conform with the non-technical (acting/directing) elements. Also an examination of various types of theater spaces (proscenium, thrust, arena) and how the configurations of these spaces affect the nature of technical elements. Students will complete individual projects as a part of this course. *3 Hrs.*

DRAM 231 History of Film

Introduction and historical analysis of the development of cinema from the silent era to the contemporary avant garde; includes survey of technological developments, the evolution of popular genres and the achievements of significant directors and their landmark films. Note: Students may elect this course as Communications 231. *3 Hrs.*

DRAM 232 Film Criticism

Introduction to film theory and the study of film as an art form, with detailed discussion of individual films for technical and aesthetic achievement. Students will analyze the work of prominent film critics and put theory to practice in their own critical reviews of films screened in class. Prerequisites: Communications 110 and English 120 or permission of the department. Note: Students may elect this course as Communications 232. *3 Hrs.*

DRAM 250 Beginning Acting

Introduction to the basic principles of theatrical presentation from the viewpoint of the actor; relating to self, environment and other actors by way of exercises in relaxation, pantomime, improvisations and group work in selected scenes from plays. This course fulfills the writing-intensive course requirement. *3 Hrs.*

DRAM 303 Major Figures in World Drama: Ancient Greece to the Renaissance

Survey of dramatic literature from ancient Greece to the Renaissance, with emphasis on the relationship of the plays to the physical circumstances of theatrical production and to the historical and cultural milieu of the period. Note: Students may elect this course as English 303. *3 Hrs.*

DRAM 304 Major Figures in World Drama: Renaissance to Modern

Survey of dramatic literature from the Renaissance to the time of Ibsen with emphasis on the relationship of the plays to the physical circumstances of theatrical production and to the historical and cultural milieu of the period. Note: Students may elect this course as English 304. *3 Hrs.*

DRAM 317 Practicum in Play Production

Opportunity for practical application of principles of set construction, lighting, costumes, makeup, publicity or acting in the production of a play for round or proscenium stage. *1, 2 or 3 Hrs.*

DRAM 318 Acting Practicum

Admission by audition. Those students who are cast in a Queens College theater production will be (or may be) registered for this course.

Credit through this course is valuable for all students cast in a production, regardless of major. Students cast in productions are not compelled to receive academic credit. *1, 2 or 3 Hrs.*

DRAM 320 Stage Design Studio

An overview with practical application of the theatrical design process. All aspects of stage design will be covered with emphasis placed on scenery and lighting design. Students work on individual projects, producing at least one full design for a play as well as a final design project. The student in this course will learn techniques of drafting for the stage, perspective drawing, rendering, color theory and standard concepts of scenery construction. The use of stage lighting will be examined in tandem with set design. *3 Hrs.*

DRAM 327 Modern Drama

Study of world drama from the realism of Ibsen through naturalism, expressionism and symbolism to the current avant-garde theater. Note: Students may elect this course as English 327. *3 Hrs.*

DRAM 336 Tragedy

Exploration of various possibilities of defining tragedy: in terms of the protagonist, a plot, an effect upon the audience, an attitude towards life or others. Note: Students may elect this course as English 336. *3 Hrs.*

DRAM 337 Comedy

This course examines the nature of comedy as a literary form from low farce to sophisticated high comedy in prose fiction, film and drama. Beginning with classic examples from Aristophanes, Shakespeare and Moliere, the course will focus finally on the contributions of such modern writers as Shaw, Neil Simon and Woody Allen. Attention will center upon comedy's manipulation of language, character, plot and traditional "lazzi" to accomplish its special cathartic purpose of keeping humanity close to sanity and balance. Note: Students may elect this course as English 337. *3 Hrs.*

DRAM 350 Advanced Acting

Concentration of perfection of acting technique through an exploration of improvisational techniques, voice and movement, ensemble methods and motivational analysis in relation to specific characters within a given play. Prerequisite: Dramatic Art 250. This course may be repeated for credit up to six hours. *3 Hrs.*

DRAM 352 Directing for the Theater

Introduction to the basic principles of theatrical production from the viewpoint of the director; exploration of composition, picturization, movement, rhythm and pantomime dramatization in the direction of a one-act play. Prerequisites: Dramatic Art 250 and 317. *3 Hrs.*

DRAM 355 Topics in Dramatic Literature

Intensive consideration of a single problem in dramatic literature. The topic for this course will vary from term to term and may range from a consideration of the work of a major playwright to a study of a single genre or intellectual movement. May be taken twice with different subtitles. Note: Students may elect this course as English 351,

352, or 353, depending on the topic offered. Prerequisites: Junior or senior standing; English 201 or Liberal Learning 210. *3 Hrs.*

DRAM 450 Directed Studies in Drama, Theater and Speech

Independent investigation of an area in dramatic literature, theater or speech. Open to junior and senior majors with a 3.000 average in English/Drama. *2, 3 or 4 Hrs.*

DRAM 451 Senior Project

Independent Study/Project for the senior drama major. The student will choose an area of particular interest (design, acting, directing, playwriting, dramatic literature, etc.) within the field of drama/theater and will complete a project/research paper in that area. Projects may be connected to Queens College theater productions or may be hypothetical (i.e., not actually produced on stage). This course is a culmination of work done throughout the student's academic career. *3 Hrs.*

DRAM 499 Professional Internship in Drama

Practical experience in application of dramatic skills to off-campus theater or to the media or to some other project selected in consultation with the advisor. May be repeated for not more than six hours. Only three hours credit applicable to English/Drama major. Open primarily to junior and senior majors. *1, 2 or 3 Hrs.*

Economics

Courses offered in the Department of Economics provide for the study of the principles underlying economic systems at the national and international levels and governing the operations of market economies at the level of the household and the firm.

MINOR. Requirements for a minor: 18 credit hours in economics, including Economics 203 and 204, 345 and 350 and six credit hours selected from other economics courses at the 300 level or above.

ECON 101 Introduction to Economics

An introduction to selected contemporary economic problems and the economist's techniques for coping with them. *3 Hrs.*

ECON 203 Principles of Macroeconomics

Introductory survey of aggregate economic principles; the scope and method of economics; business organizations; money and prices; national income theory; economic stabilization policies; and international trade. *3 Hrs.*

ECON 204 Principles of Microeconomics

Survey of economic principles dealing with specific components of the economy and their application to economic problems; basic demand and supply theory; the theory of production and income distribution; agriculture, government regulation and labor organizations. *3 Hrs.*

ECON 300 Current Topics or Specialized Areas in Economics

Courses designed to investigate and evaluate current topics or specialized areas of economics. Course topics are announced the term preceding the offering. Prerequisite: To be designated for each specific course offered. *3 Hrs.*

ECON 345 Intermediate Microeconomic Theory

The study of resource allocation in the determination of optimum output and pricing by a firm. Emphasis includes utility and production functions and the application of microeconomic theory given various market conditions. Prerequisites: Economics 203 and 204; Mathematics 131. *3 Hrs.*

ECON 350 Intermediate Macroeconomic Theory

The study of the measurement and composition of the Gross National Product, the factors determining its size and growth and the policy measures by which government can influence its size, composition and development. Prerequisites: Economics 203 and 204; Mathematics 131. *3 Hrs.*

ECON 351 Money and Banking

Study of the fundamental principles and practices of the money and credit systems of the United States; financial institutions, commercial banking, the Federal Reserve System, monetary theories and policy. Prerequisites: Economics 203, 204; Business 207, 208. *3 Hrs.*

ECON 420 History of Economic Thought

The study of the development of economic thinking from the Renaissance to modern times, with attention to the historical background against which major economic thinkers worked and the impact of their ideas on public policy. Prerequisites: Economics 203 and 204. *3 Hrs.*

ECON 449 Directed Individual Study

A program of directed readings, independent study of an approved program or an approved project formulated by the student and approved by the department. Open to seniors with a 3.000 grade-point average. *1, 2 or 3 Hrs.*

ECON 454 International Trade

A study of international payments, international economic theory, contemporary economic nationalism, international investment and currency problems and the commercial policies of foreign countries. Prerequisites: Economics 203 and 204. *3 Hrs.*

Education

North Carolina Class "A" teacher certification is possible through programs in elementary (grades K-6); special subject (grades K-12) in French and Spanish; and secondary subject areas (grades 9-12) in English, mathematics, biology, history and social studies. All programs are approved by the North Carolina State Board of Education and the National Council for Accreditation of Teacher Education (NCATE),

allowing certification reciprocity with other states.

Teacher certification may be obtained as a part of the student's four-year program and the education of teachers is the joint responsibility of academic departments and the education department.

Department objectives state that the education of teachers is threefold: they receive liberal education, they pursue in depth their teaching specialties and they acquire the necessary professional knowledge and skills needed in teaching. Objectives for each area of certification are listed in the Teacher Education Handbook, available in the Education Department.

The Education Department offers a major in elementary education with K-6 certification.

Students desiring secondary or K-12 certification major in the content area in which they are seeking certification and take the additional courses for certification requirements as electives.

Students should apply to the Education Department for admission to the Teacher Certification Programs during Term II of their sophomore year. To be accepted, a student must have positive recommendations by three Queens faculty members, an overall grade-point average of 2.500 after four semesters of course work, satisfactory scores on Core Batteries I and II of Praxis Series and approval of the Teacher Education Committee.

Students may not take more than 50 percent of their professional education courses before being officially admitted to the Teacher Education Program.

Students must apply for student teaching during Term I of their senior year. Minimum criteria for admission to student teaching are a 2.750 GPA, recommendation by the major department and approval of the education department and the Teacher Education Committee.

Prior to completion of the program, students must take the last two sections of the Praxis Series: Professional Knowledge and Specialty Area. Complete information and application forms for the Praxis Series may be obtained from the Education Department.

Persons interested in teacher certification who have already earned a bachelor's degree are admitted as post-bacculaureate students. They should contact the office of adult admissions regarding admission and are expected to complete a minimum of 12 credit hours successfully at Queens prior to student teaching.

WRITING-INTENSIVE COURSE REQUIREMENT. The writing-intensive course requirement is met with Education 270.

REQUIREMENTS. Certification requires the achievement of competencies in areas designated by state and national accrediting agencies: general education, professional education and teaching specialty.

General Education Liberal Arts Requirements
(for all levels of certification)

Course No. and Title	Hrs.
Liberal Learning 110	5

English 110 3
Liberal Learning 120 5
English 120 3
Mathematics 104 (or above) 3
Physical Education Courses 2
Psychology 201 3
One Science Course with lab ..... 3 or 4
Liberal Learning 210 5
Liberal Learning 220 5
Liberal Learning 310 3
Psychology 320 3
Liberal Learning 410 3

Professional Education Requirements (K-6)

Course No.	Title	Hrs.	Term
EDUC 221	Introduction to Teaching	3	I
EDUC 225	Curriculum & Instruction for Elementary Schools	3	II
EDUC 270	Computers in Education	3	II
EDUC 305	Literature for Children	3	I
EDUC 310	Educational Psychology	3	I
EDUC 380	Health & Physical Education Methods	3	*I
EDUC 385	Music & Art Methods	3	**I
EDUC 401	Teaching of Reading and Other Language Arts	3	II
EDUC 402	Diagnostic & Corrective Techniques in Reading	3	I
EDUC 404	Mathematics Methods & Materials in Elementary Schools	3	I
EDUC 411	Social Studies Methods & Materials in Elementary Schools	3	I
EDUC 412	Science Methods & Materials in Elementary Schools	3	I
EDUC 415	Integration of Elementary School Mathematics and Science	3	I

* *even years only*
** *odd years only*

Professional Education Requirements (K-12 Foreign Language, French or Spanish)

Course No.	Title	Hrs.	Term Offered
EDUC 221	Introduction to Teaching	3	I
EDUC 270	Computers in Education	3	II
EDUC 299	Exploratory Internship	2	*
EDUC 310	Educational Psychology	3	I
EDUC 345	Content Area Reading	3	I
FREN 442 or SPAN 442	Methods and Materials for Foreign Language Teaching	3	I

* Students should complete the Exploratory Internship at the opposite grade level from their student teaching level.

Professional Education Requirements (9-12):

Course No.	Title	Hrs.	Term Offered
EDUC 221	Introduction to Teaching	3	I
EDUC 270	Computers in Education	3	II
EDUC 310	Educational Psychology	3	I
EDUC 345	Content Area Reading (all except mathematics)	3	I
EDUC 436	Secondary Methods & Materials	4	I

Teaching-block Professional Semester Requirements (K-6)

Course No.	Title	Hrs.	Term Offered
EDUC 499A	Professional Internship: Elementary Student Teaching	12	II
EDUC 451	Post-Practicum Seminar in Elementary Education	3	II

Teaching-block Professional Semester Requirements (Foreign Language: French or Spanish K-12)

Course No.	Title	Hrs.	Term Offered
EDUC 499D	Professional Internship: Foreign Language	12	II
EDUC 451	Post-Practicum Seminar in Elementary Education	3	I
or			
EDUC 452	Post-Practicum Seminar in Secondary Education	3	II

Teaching-block Professional Semester Requirements (9-12)

Course No.	Title	Hrs.	Term Offered
EDUC 499C	Professional Internship: Secondary Student Teaching	12	II
EDUC 452	Post-Practicum Seminar in Secondary Education	3	II

Secondary (9-12)

For the secondary teaching certificate, students are required to complete a major in the area in which certification is desired. Special course requirements in the major or additional to the major are noted below.

Biology--Major in biology.

English--Major in English including English 207 and 334 and Dramatic Arts and Speech 231 or 232.

History--Major in history including History 203 and 204 and six credit hours European/world history.

Mathematics--Major in mathematics including Mathematics 304, 402, 406 and 417. Recommended courses: Physics 101 and 102 and

Mathematics 203 and 311.

Social Studies--Major in history, including History 203 and 204 and six credit hours in European/world history. Course work must also include 21 credit hours in related social sciences including Political Science 201, Economics 203, Sociology 302 (recommended) or Sociology 203.

Foreign Language (K-12)

French--Major in French.

Spanish--Major in Spanish.

EDUC 221 Introduction to Teaching

Sociological, historical and philosophical background, purposes and concepts basic to the development of public education in the United States. Primarily for sophomore level students; required of all students in teacher education. *3 Hrs.*

EDUC 225 Curriculum and Instruction for Elementary Schools

Curricular planning and development skills with emphasis on designing and implementing integrated activities, developing individualized materials and classroom organization and management. Ten hours field experience. Prerequisite for other methods and materials courses. *3 Hrs.*

EDUC 270 Computers in Education

Students will gain an understanding of the basic concepts of hardware and software and the uses of the computer in instructional programs by identifying, evaluating and selecting effective course ware, identifying and/or developing teaching strategies necessary to integrate course ware into the on-going instructional program and using the computer for Computer Assisted Instruction and Computer Managed Instruction. This course fulfills the writing-intensive course requirement. *3 Hrs.*

EDUC 299 Exploratory Internship in Education

This internship is to provide students with the opportunity to explore career options through on-site experiences in educational settings. This internship does not count toward the major. *1, 2 or 3 Hrs.*

EDUC 300 Educating the Young Child

This course provides a study of curriculum models and instructional strategies which can be utilized in a variety of educational settings for young children, ages three to eight. Students will develop instructional units which illustrate an integrated curriculum design. A field experience is required. *3 Hrs.*

EDUC 305 Literature for Children

Book selection and the integration of knowledge of children and books; includes evaluating types of literature and planning ways of using books with children. This course is designed primarily for education majors. *3 Hrs.*

EDUC 310 Educational Psychology

Study of those principles of psychology which can be applied

directly to the classroom; emphasis on psychological testing, behavior deviations and principles of learning. Prerequisite: Psychology 201. *3 Hrs.*

EDUC 345 Content Area Reading

The importance of reading development in the content fields for the improvement of learning is emphasized. Topics include study skills; selection of appropriate reading materials, both functional and recreational; classroom strategies for facilitating reading comprehension; and vocabulary-building methodologies. Required for secondary teacher certification in all areas except mathematics. *3 Hrs.*

EDUC 352 Topics in Education

Intensive consideration of a problem in education that is not offered on a regular basis in the curriculum. The topics for the course will vary from term to term. Prerequisite: Sophomore status or above. *3 Hrs.*

EDUC 380 Elementary Health and Physical Education Methods

Overview of the aspects of teaching physical and health education: their place in the school program; facilities, equipment and safety procedures necessary for successful programs; skill progression and types of activities appropriate for elementary age groups; and available health services. *3 Hrs.*

EDUC 385 Elementary Music and Art Methods

Exploration of the aspects of teaching music and art: their place in the school program; materials necessary for successful programs; and both application and appreciation methodologies appropriate for elementary students. *3 Hrs.*

EDUC 401 Teaching of Reading and Other Language Arts

Course includes achievement of competencies in the use of materials and methods of instruction in the teaching of reading and other language arts K-6. Emphasis is placed on the process of reading, the interrelationship and integration of all the communicative arts and the development of interdisciplinary learning experiences which incorporate the communication process and literature with other curricular areas. Prerequisite for Education 402. *3 Hrs.*

EDUC 402 Diagnostic and Corrective Techniques in Reading

Course is designed to help students contribute more effectively to the total reading program by identifying, interpreting and fulfilling the needs of those experiencing difficulty in reading. Formal and informal diagnostic measures are studied. A school experience of working with students who have reading difficulties is required. *Prerequisite:* Education 401. *3 Hrs.*

EDUC 404 Mathematics Methods and Materials in the Elementary School

This course provides a study of the principles of teaching mathematics in the elementary school (K-6), a study of mathematics ideas and techniques that are developmentally appropriate for the elementary student and an examination of effective teaching strategies and materials. *3 Hrs.*

EDUC 411 Social Studies Methods and Materials in the Elementary School

Methods course for orientation to teaching strategies and materials for teaching social studies in grades K-6. Emphasis will be placed on developing thinking skills and problem solving and on the relation-ship of the social studies to other areas of the K-6 curriculum. *3 Hrs.*

EDUC 412 Science Methods and Materials in the Elementary School

Methods course for orientation to teaching strategies and materials for teaching science in grades K-6. Emphasis will be placed on using science content to develop effective science learning experiences. The relationship of science to other areas of the K-6 curriculum will be stressed. *3 Hrs.*

EDUC 415 Integration of Elementary School Mathematics and Science

This course explores the design and methodology for developing integrated science and mathematics curriculum in the elementary school. Emphasis will be placed on implementing strategies to include inquiry based problem solving, critical thinking and small group collaborative skills. Prerequisites: Education 404 and 412. *3 Hrs.*

EDUC 436 Secondary Methods and Materials

Study of teaching methods, resources, materials and strategies as related to general secondary school teaching and specific content area teaching. Prerequisite to student teaching; normally to be taken in Term I of senior year. *4 Hrs.*

EDUC 449 Practicum in Student Teaching

Course is designed for those students with extensive experience or certification in teaching in one area who now desire certification in area of experience or second area certification. Will include directed observation and student teaching in selected schools. Offered on demand. Grading is P/F. Student Teaching Fee: $25. Prerequisite: Permission of the instructor. *3, 4, 5, 6 Hrs.*

EDUC 450 Individual Studies in Education

Programs of study for experienced classroom teachers, following their interests and needs, are planned with the help of the instructor. Persons interested in enrolling in Education 450 must confer with the instructor in person or by letter prior to the beginning of the course so that individual study plans may be formulated. Offered on demand. Prerequisite: Classroom teaching experience and permission of the instructor. *1, 2 or 3 Hrs.*

EDUC 451 Post-Practicum Seminar in Elementary Education

This seminar course which follows student teaching and is part of the professional block is designed to provide the final integration of the theoretical and practical aspects of the education profession. Through seminar topics and individual study, students will assess and strengthen the understandings and competencies required of teachers in elementary education. Grading is P/F. *3 Hrs.*

EDUC 452 Post-Practicum Seminar in Secondary Education

This seminar course which follows student teaching and is part of the professional block is designed to provide the final integration of the theoretical and practical aspects of the education profession. Through seminar topics and individual study, students will assess and strengthen the understandings and competencies required of teachers in secondary education. Grading is P/F. *3 Hrs.*

EDUC 499A Professional Internship: Elementary

Directed observation and student teaching in selected schools, grades K-6; seminars are scheduled throughout this period. Grading is P/F. Student Teaching Fee: $50. *12 Hrs.*

EDUC 499C Professional Internship: Secondary

Directed observation and student teaching in selected schools, grades 9-12. Seminars are scheduled throughout this period. Grading is P/F. Student Teaching Fee: $50. *12 Hrs.*

EDUC 499D Professional Internship: Foreign Language

Directed observation and student teaching in selected schools, grades K-12. Seminars are scheduled throughout this period. Grading is P/F. Student Teaching Fee: $50. *12 Hrs.*

English

Courses in the department include composition, literature, speech, film, dramatic arts and communications. Students are encouraged to take courses in all these areas, but courses in speech, film, dramatic arts (unless specified) and communications do not count towards a regular major in English. Initial courses train the student to perceive and evaluate the form, structure and inner dynamics of any literary work. Advanced courses focus on specialized areas of relevance and are designed to give the student an awareness of ways in which other disciplines can contribute to a fuller understanding of literature.

CAREERS. Study of literature and composition affords preparation for professional schools in law and teaching. In addition, students majoring in this department find their training applicable to editing, newspaper and television journalism, and copywriting for publishers and advertising agencies. When combined with study in communications, economics and business, careers may be planned for public relations and personnel work. Career opportunities also exist in films, theater and many phases of creative writing. Students may also

obtain teaching certificates through elective courses. Students interested in drama and theater may want to consider the program outlined in the section on dramatic art.

TEACHER CERTIFICATION. Students majoring in English may earn certification to teach on the secondary level (grades 9-12). Refer to the Education section of the *Catalog* for specific requirements.

MAJOR. Students may major in English or in English/Drama. The requirements for the English major are as follows: Core Courses: English 201, 301, 302, 330, 460; plus any two of the following: English 309, 313, 318; plus any three of the following: English 322, 325, 326, 327, 328, 350, at least one of which must be in American literature; plus any two upper-level English courses, for a total of 36 hours.

The following courses in Dramatic Art will be accepted toward the English major: 303, 304, 327, 336. Major advisors will consult with students in career and graduate school preparation, and in planning tailored programs in communications, journalism, teaching and drama. Advanced placement will allow exemption from 201. Outstanding majors will be invited by the department to participate in a program of special study which, if successfully completed, will result in graduation with Honors in English.

MINOR. Non-English majors may follow a program leading to a minor in English, or in English/Drama or in Communications. English majors may follow a program leading to a minor in Communications, if they so desire. The requirements for the minor in English are as follows: English 201, 301 and 302 are required. English 460 is recommended as part of the remaining 12 hours, nine of which must be at the 300 level or above.

WRITING-INTENSIVE COURSE REQUIREMENT. The writing-intensive course requirement is met with English 460.

PREREQUISITES. English 110, 120 and 201 are prerequisite to all English courses numbered 300 or above. Special consideration will be given, in certain cases, to non-English majors who desire to take courses numbered 300 or above.

ENGL 099 Basic Composition

Basic Composition is required of students whose standardized test scores or grades in English 110 or 120 indicate that they need help in developing basic writing skills. The course will help students learn the fundamentals of grammar, develop proofreading skills, and write well-structured sentences and paragraphs. Credit for this course may not be used toward graduation. *1 Hr.*

ENGL 110 Composition I

This course develops the student's writing skills and introduces research techniques. Emphasis is on the creation and revision of a variety of writing projects. Writing assignments and discussion topics are coordinated with the materials in Liberal Learning 110. *3 Hrs.*

ENGL 120 Composition II

This course continues to develop the student's writing and research skills in addition to techniques of oral communication. Emphasis is on the production of a research paper. Assignments and discussion topics are coordinated with the materials in Liberal Learning 120. *3 Hrs.*

ENGL 201 Introduction to Literature

This course introduces the student to the study of lyric, dramatic and narrative genres through the classic texts of Greek and Latin literature. Focus will be on Homer, the Greek dramatists, Virgil, Ovid and the Latin lyrical poets. A major emphasis of the course will be on the classical mythology that informs so much of the literature of the western tradition. Course is prerequisite to all English courses numbered 300 and above, except in certain cases with approval of instructor. *3 Hrs.*

ENGL 202 Women in Literature

Organized around female stereotypes and archetypes, this study of images of women in literature makes use of reading selections from nineteenth- and twentieth-century authors illustrating both positive and negative views of women as wives, mothers, sex objects, seductress-goddesses, spinsters and liberated persons. *3 Hrs.*

ENGL 207 Nonfiction Writing

Expository writing based upon topics and readings to be assigned by the instructor. The student will be expected to write knowledgeable expository prose based upon thought, reading and research. Prerequisites: English 110 and 120 or permission of the department. Note: Students may elect this course as Communication 207. *3 Hrs.*

ENGL 301 Literary History of England: to 1660

Historical survey and critical exploration of the major periods, genres, and attitudes of English literature from the Anglo-Saxon period and the Middle Ages through the Renaissance. The works of Chaucer, Shakespeare and Milton are highlighted. Primarily for sophomores; 301 need not be taken before 302, but both should be taken early in the major as foundations for later courses. *3 Hrs.*

ENGL 302 Literary History of England: 1660 to the Present

Historical survey of the major movements and periods of English literature from the Restoration and Neo-classicism through 19th-century Romanticism and Realism to the Modern period. English 301 and 302 should be taken early in the major as foundations for later courses. *3 Hrs.*

ENGL 303 Major Figures in World Drama: Ancient Greece to the Renaissance

Survey of dramatic literature from ancient Greece to the Renaissance, with emphasis on the relationship of the plays to the physical circumstances of theatrical production and to the historical and cultural milieu of the period. Note: Students may elect this course as Dramatic Art and Speech 303. *3 Hrs.*

ENGL 304 Major Figures in World Drama: Renaissance to Modern

Survey of dramatic literature from the Renaissance to the time of Ibsen with emphasis on the relationship of the plays to the physical circumstances of theatrical production and to the historical and cultural milieu of the period. Note: Students may elect this course as Dramatic Art and Speech 304. *3 Hrs.*

ENGL 306 Introduction to Creative Writing

Study of principles of creative writing, with special attention to the various forms. The course will include study of principles of writing, with special attention to observation and reflection, form and meaning, modern usage and effective expression. Note: Students may elect this course as Communications 306. *3 Hrs.*

ENGL 308 Creative Writing

Practice in writing and in criticism of the essay, short story and poem in view of a final piece of sustained, related work, for students with interest in and aptitude for composition. Prerequisite: English 306. Note: Students may elect this course as Communications 308. *3 Hrs.*

ENGL 309 Chaucer and Medieval Literature

Readings in medieval English literature with emphasis on Chaucer's Canterbury Tales. Prerequisite: English 301 or permission of the instructor. *3 Hrs.*

ENGL 313 Shakespeare

Representative comedies, histories, tragedies and romances with emphasis on Shakespeare's development as a dramatic artist. Prerequisite: English 301 or permission of the instructor. *3 Hrs.*

ENGL 318 The Seventeenth Century

Study of poetry, drama and prose with emphasis on Jonson, Donne and the Metaphysicals and Milton. Prerequisite: English 301 or permission of the instructor. *3 Hrs.*

ENGL 322 The Romantics

Representative major poetical works of early and late Romantic authors. Key prose documents in the rise and development of Romanticism will also be examined. *3 Hrs.*

ENGL 325 The Novel

Development of the novel as a literary form using selected works of English fiction from the 18th century to the present. *3 Hrs.*

ENGL 326 Modern British Literature

Examination of modern British literature from the turn of the century to the 1950s. Emphasis on the work of Joyce, Yeats, Shaw and the Bloomsbury Group. Central themes and technical innovations in twentieth-century poetry, fiction and drama will be explored. *3 Hrs.*

ENGL 327 Modern Drama

Study of world drama from the realism of Ibsen through naturalism, expressionism and symbolism to the current avant-garde theater. Note: Students may elect this course as Dramatic Art and Speech 327. *3 Hrs.*

ENGL 328 Modern American Literature

Critical examination of modern American literature from the turn of the century to the present. Emphasis on Eliot, Frost, Williams, Stevens, Faulkner, Hemingway, Ellison, Malamud, Oates, Cather and Morrison. *3 Hrs.*

ENGL 330 Survey of American Literature

Provides an overview of the particular properties and the major movements of literature in the United States as seen in the works of selected writers from the colonial period to the present. This course serves as a pre-requisite for all other courses in American Literature offered by the department. Prerequisite: English 201. *3 Hrs.*

ENGL 333 Southern Literature

Study of growth and development of the literature of the American South. The course will emphasize unique regional qualities of subject, theme and style. *3 Hrs.*

ENGL 334 Studies in Linguistics

Studies of the main tenets of structural linguistics and transformational grammar with some attention to the relation between linguistic theories and older theories about language. Correlation of traditional grammar skills with modern linguistic theory. *3 Hrs.*

ENGL 335 Women in Literature

An exploration of various images of women and of writers who have created and explored those images. Emphasis on British and American writers or the nineteenth and twentieth centuries. Prerequisite: English 201 or permission of instructor. *3 Hrs.*

ENGL 336 Tragedy

Explorations of various possibilities of defining tragedy in terms of the protagonist, a plot, an effect upon the audience, an attitude towards life or others. Note: Students may elect this course as Dramatic Art and Speech 336. *3 Hrs.*

ENGL 337 Comedy

This course examines the nature of comedy as a literary form from low farce to sophisticated high comedy in prose fiction, film and drama. Beginning with classic examples from Aristophanes, Shakespeare and Moliere, the course will focus finally on the contributions of such modern writers as Shaw, Neil Simon and Woody Allen. Attention will center upon comedy's manipulation of language, character, plot and

traditional "lazzi" to accomplish its special cathartic purpose of keeping humanity close to sanity and balance. Note: Students may elect this course as Dramatic Art and Speech 337. *3 Hrs.*

ENGL 341 Spanish Literary Classics

Important literary works from various periods chosen for their importance and influence or reflection on world literature. All course work conducted in English. Note: Students may elect this course as Spanish 341. *3 Hrs.*

ENGL 343 French Literary Classics

Consideration of major literary works from various periods chosen for their value as contributions to world literature. All course work conducted in English. Note: Students may elect this course as French 343. *3 Hrs.*

ENGL 350 Contemporary Literature

An examination of authors, genres and movements prominent on the literary scene since 1950. Topics will vary. May be repeated once with different topic. *3 Hrs.*

ENGL 351 Special Studies in English Literature

Intensive consideration of a single problem in English literature. The topic for the course will vary from term to term and may range from a consideration of the work of a major writer to a study of a single genre or intellectual movement. May be taken twice with different subtitles. *3 Hrs.*

ENGL 352 Special Studies in American Literature

Intensive consideration of a single problem in American literature. The topic for the course will vary from term to term and may range from a consideration of the work of a major writer to a study of a single genre or intellectual movement. May be taken twice with different subtitles. *3 Hrs.*

ENGL 354 Special Studies in World Literature

Intensive consideration of a single problem in world literature. The topic for the course will vary from term to term and may range from a consideration of the work of a major writer to a study of a single genre or intellectual movement. May be taken twice with different subtitles. *3 Hrs.*

ENGL 449 Directed Readings in Composition or Literature

Independent investigation of a topic in composition or literature through a program of directed readings; oral examination conducted by the course supervisor and other members of the department upon invitation. Open to junior and senior majors with a 3.000 average in English. Student must have taken at least six hours of upper-level English courses and have permission of the department. *1, 2 or 3 Hrs.*

ENGL 450 Independent Study in Composition or Literature

Independent investigation of a topic in composition or literature resulting in a research paper which is evaluated by two members of the department. Open to junior and senior majors with a 3.000 average in English. Student must have taken at least six hours of upper-level English courses and have permission of the department. *2, 3 or 4 Hrs.*

ENGL 460 Studies in Literature and Criticism

Student will read works of literature and interpret them in the light of modern critical theories. Readings will include critical essays and selected works by major authors. Seminar for seniors only. This course fulfills the writing-intensive course requirement. *3 Hrs.*

ENGL 499 Professional Internship in English

Practical experience in application of English skills in business, media or other selected areas. May be repeated for not more than six hours. Only three hours credit applicable to English major. Open primarily to junior and senior majors. Permission of instructor required. *1, 2 or 3 Hrs.*

Environmental Science

NATURAL SCIENCE REQUIREMENT. The Natural Science Requirement is met with Environmental Science 101.

ENVR 101 Environmental Science

A study of some of the environmental issues confronting our modern society. Selected scientific principles are considered to the extent necessary for a basic understanding of environmental problems, and some attention is given to the role of science and technology in the development and possible solutions of the problems. Specific topics include natural ecosystems, human population, food production, energy, transportation, water pollution and air pollution. Three hours lecture, two hours laboratory a week. Lab fee $25. *4 Hrs.*

French

MAJOR. Thirty credit hours of French courses above the 100 level as approved by the major advisor. At least 18 credit hours are to be from courses numbered 300 and above. Two of the following courses are required: French 317, 331 or 332.

MINOR. At least 18 hours of French courses above the 100 level.

POLICY. Unless otherwise stated, all 300- and 400-level courses are conducted in French.

WRITING-INTENSIVE COURSE REQUIREMENT. The writing-intensive course requirement is met with one course chosen from French 351 or 451.

PREREQUISITES. Prerequisites for courses 300 and above are French 201 and 202 or equivalent or consent of the instructor.

FREN 101, 102 Elementary French I and II

Introduction to the French language with emphasis on vocabulary and listening, speaking, reading and writing skills. *3 Hrs., 3 Hrs.*

FREN 201 Intermediate French I

Study of the structure of the language; written and oral composition; reading of literary selections. Prerequisite: French 102 or equivalent. *3 Hrs.*

FREN 202 Intermediate French II

Reading of literary selections and materials on civilization with discussion in French on works being read. Intensive work in the oral language. Prerequisite: French 201 or equivalent. *3 Hrs.*

FREN 317 Introduction to French Literature

Development of reading skills through the study of a small number of unabridged texts. *3 Hrs.*

FREN 321 French Conversation

Oral training accompanied by regular practice in the language laboratory. *3 Hrs.*

FREN 322 Advanced French Conversation

Discussion and reports based on articles from newspapers and magazines published in French. Prerequisite: French 321 or consent of instructor. *3 Hrs.*

FREN 331 Survey of French Literature I

The study of major literary movements from the Middle Ages to the Enlightenment. *3 Hrs.*

FREN 332 Survey of French Literature II

The study of major literary movements from the Enlightenment through contemporary literature. *3 Hrs.*

FREN 343 French Literary Classics

Consideration of major literary works from various periods of French literature, chosen for their values as contribution to world literature. Works to be read in the original, papers and tests to be written in French. Note: Students may elect this course as English 343, with all course work conducted in English. *3 Hrs.*

FREN 349 Commercial French

A study of the structure and style of French business letters, routine messages and communications. Emphasis on commercial, banking and telecommunication terminology. *3 Hrs.*

FREN 351 French Grammar and Translation

A thorough review of French grammar with emphasis on translation. This course fulfills the writing-intensive course requirement. *3 Hrs.*

FREN 361 Phonetics

Study of the sounds of the French language. Practice in reading and speaking with proper rhythm and intonation. *3 Hrs.*

FREN 370 Topics in French Studies

Course designed to address a specific topic or area of French studies. Topic will be announced the semester preceding the offering. Prerequisite: To be designated for each specific course offered. *3 Hrs.*

FREN 372 Elementary Translating

Comparative analysis of translated texts; questions of restructuring texts and adding or subtracting material; style/audience relationship; simple translations from source language to English; sight translation. *3 Hrs.*

FREN 374 Advanced Translating

Study of professional journals in the field of translation; specific problems of source/target language equivalents; expansion of working dictionaries; oral reports on work in progress; translating of substantial text(s) in field of specialization. Texts may be scientific, technical, commercial, scholarly or literary, depending on field of specialization. *3 Hrs.*

FREN 400 Directed Readings in French

Directed study of a topic requiring the use of French-language sources. Admission by consent of the instructor. *1, 2 or 3 Hrs.*

FREN 410 Seventeenth Century French Literature

Study of the literary movements of the seventeenth century. Emphasis on works of Corneille, Moliere and Racine. Will also include selections from Pascal, La Rochefoucauld, La Fontaine, Mme de Sevigne and others. *3 Hrs.*

FREN 420 Eighteenth Century French Literature

Study of the literary movements of the eighteenth century. Emphasis on the works of Diderot, Voltaire and Rousseau. *3 Hrs.*

FREN 430 Nineteenth Century French Literature

Study of the literary movements of the nineteenth century. Emphasis on the works of Hugo, Balzac, Flaubert, Zola and Huysmans. Will also include selected poems of Lamartine, Musset, Vigny, Baudelaire, Rimbaud and Mallarmé. *3 Hrs.*

FREN 440 Twentieth Century French Literature

Study of the literary movements of the twentieth century. Emphasis on the novel. Will include the study of Gide, Proust, Romains, Mauriac, Camus, Sartre and Tournier. *3 Hrs.*

FREN 442 Methods and Materials for Foreign Language Teaching

Required for students who wish to teach foreign language at the secondary and/or elementary level. Study of current trends in methodology, resources, materials and strategies applicable to foreign language instruction. *3 Hrs.*

FREN 451 French Grammar and Composition

A systematic review and a more advanced study of the grammatical structure of the language, introduction to evolution of French, oral and

written application of principles to increase fluency. This course fulfills the writing-intensive course requirement. *3 Hrs.*

FREN 471 Research

A one-term research program in French preparatory to the senior thesis. Prerequisite: Permission of the Department. *1 Hr.*

FREN 472 Senior Thesis

Study of a topic of special interest to the student. Presentation of the study, written in French, will be made and defended before a review committee. Prerequisite: Permission of the Department. *3, 4 Hrs.*

FREN 499 Professional Internship in French

Supervised experience in a situation where the language must be used. Admission by permission of the instructor. *1, 2 or 3 Hrs.*

German

GERM 101, 102 Elementary German I and II

Presentation of the basic structure of the language, with emphasis on correct oral and written use of the language. *3 Hrs.*

GERM 201 Intermediate German I

Review of grammar, composition and conversation, based upon readings on the culture and civilizations of German-speaking countries. Prerequisite: German 102 or permission of the department. *3 Hrs.*

GERM 202 Intermediate German II

Continued study of grammar, composition and conversation, based upon readings on the culture and civilizations of German-speaking countries. Prerequisite: German 201 or permission of the department. *3 Hrs.*

GERM 370 Topics in German Studies

Course designed to address a specific topic or area of German studies. Topic will be announced the semester preceding the offering. Prerequisite: To be designated for each specific course offered. May be repeated with different topics. *3 Hrs.*

History

History, drawing upon nearly all fields of knowledge, helps provide a deeper understanding and perspective of the forces which influence individuals and the world around them. It trains one in the skills of research, analysis and written interpretation.

CAREERS. A concentration in history is an excellent general foundation for many occupations, professional careers and graduate study. It provides opportunities for careers in teaching, policy research in government and business, archives and records management, law and politics and foreign service. Queens College is a member of the Institute of Applied History.

TEACHER CERTIFICATION. Students majoring in history may earn certification to teach on the secondary level (grades 9-12). Refer to the Education section of the *Catalog* for specific requirements.

MAJOR. Students may earn a Bachelor of Arts degree with a major in history. Another major with a concentration firmly based in the history curriculum is European studies.

Requirements for the history major are as follows: Thirty-three hours in history as follows: History 201, 202, 203, 204, 300; plus six additional courses as follows: one 300-level course in United States history; one 300-level course in European history; one 300-level course from among the following: History 361, 395, 399, 490; and three additional upper-level history courses.

Each student must select nine hours outside the History Department which must be approved by the department and which will serve to broaden and enrich the program of study. Upon declaring a major in history, the student is advised to immediately consult with the department for a review of the student's needs.

Students should consult with faculty advisors to work out a program tailored to individual career objectives.

Students pursuing a concentration in history in American studies or in public history must meet the requirements listed under those majors. Students also may obtain teaching certificates through elective courses.

MINOR. Other majors may follow a program leading to a minor in history or in public history. The requirements for the minor in history are: a total of 21 credit hours to include: History 201, 202, 203, 204; one 300-level course in United States history; one 300-level course in European history; one other upper-level history or public history course.

WRITING-INTENSIVE COURSE REQUIREMENT. The writing-intensive course requirement is met with History 300.

PREREQUISITES. Dependent upon the courses and noted in descriptions, History 201, 202, 203 or 204 are required except with permission of the instructor.

HIST 201 Western Civilization to 1650

A survey of the history of civilization from the ancient world to the European crises of the seventeenth century, with emphasis upon the political, social and intellectual development of Western civilization. *3 Hrs.*

HIST 202 Western Civilization Since 1650

A survey of the history of civilization from the end of the religious wars and the emergence of the great European powers to the crises of the twentieth century and nuclear age, with emphasis generally upon the political, social and intellectual development of Western civilization. *3 Hrs.*

HIST 203 The United States to 1877

Rise of an American tradition; establishment of a nation; economic and social developments; expansion and sectional controversy, war and reconstruction. *3 Hrs.*

HIST 204 The United States since 1877

Settling the West; the triumph of business; reform movements and foreign affairs; the New Deal era; the Cold War era. *3 Hrs.*

HIST 300 Research Techniques in History/Public History

Course designed for majors and minors to provide training and practice in historical research with emphasis in working with such materials as court records, deeds, wills and census returns. There will be written and oral presentations of findings. This course fulfills the writing-intensive course requirement. Prerequisite: Junior standing or permission of the instructor. Note: Students may elect this course as Public History 300. *3 Hrs.*

HIST 303 Ancient Greece

An examination of Greek history from the Mycenaeans in the second millennium B.C.E. through the Hellenistic era, with special emphasis on Classical Greece (500-323 B.C.E.). Prerequisite: History 201 or permission of the instructor. *3 Hrs.*

HIST 304 Ancient Rome

An study of the history of Rome, from its founding to the disintegration of the Roman Empire in the fourth and fifth centuries C.E. Prerequisite: History 201 or permission of the instructor. *3 Hrs.*

HIST 305 Medieval History

An investigation of the thousand years known as the "Middle Ages," the world of castles, cathedrals, and universities; ladies and knights; peasants and burghers, dragons and unicorns. Prerequisite: History 201 or permission of the instructor. *3 Hrs.*

HIST 306 Renaissance and Reformation to the Enlightenment

A study of the European world from the revolutions of the Renaissance and Reformation, through the Scientific Revolution, to the 18th century Enlightenment. Prerequisite: History 201 or permission of the instructor. *3 Hrs.*

HIST 307 History of Latin America

A survey of the forces and events which have shaped Latin America experiences from the 16th century to the present. *3 Hrs.*

HIST 308 19th Century Europe

A study of the great transforming events of European life from the French Revolution, through the Industrial Revolution, to the outbreak of the First World War. Prerequisites: History 202 or permission of the instructor. *3 Hrs.*

HIST 309 Contemporary Europe

An investigation of today's Europe, from the First World War to the present. Topics include the world wars, the holocaust, the rise and fall of the Soviet Union, the Cold War, and the rise of the European Union. Prerequisites: History 202 or permission of the instructor. *3 Hrs.*

HIST 315 Oral History

Examination of ways in which cultures were preserved in the past

(folklore, folklife, handicrafts, etc.) and the study of and practice in the methodology of gathering and preserving historical information in oral form. Note: Students may elect this course as Public History 315. *3 Hrs.*

HIST 325 American Foreign Policy

Major themes in the history of American diplomacy to 1945 with emphasis on their applications, modification and development in relation to America's increased responsibilities as a world power. Prerequisite: History 203 or 204 or permission of instructor. *3 Hrs.*

HIST 326 Contemporary American Foreign Policy

Analysis of the role of the United States in contemporary world politics; emphasis upon the nature of the foreign policy-making process and the rationale, content and impact of contemporary American international actions and policies. Prerequisite: History 204 or permission of the instructor. *3 Hrs.*

HIST 330 British History

An examination of British History by studying selected persons, events, and problems. The specific focus vary; they may include, for example, a study of the Elizabethans, the Victorians, Tudor Stuart-England, the England of Dickens, Britain since World War II. Prerequisite: History 201 and 202 or permission of the instructor. *3 Hrs.*

HIST 331 Russian History

An examination of Russian History by studying selected persons, events, and problems. The specific focuses vary; they may include, for example, studies of selected periods, such as Medieval Muscovy, Imperial Russia, the Russian Revolution, Soviet Russia, or postSoviet Russia, or individuals, such as Ivan the Terrible, Peter the Great, Catherine the Great, Lenin, and Stalin. Prerequisite: History 201 and 202 or permission of the instructor. *3 Hrs.*

HIST 332 German History

An examination of German History by studying selected persons, events, and problems. The specific focuses vary; they may include, for example, studies of selected periods, such as Imperial Germany, the Nazi Era, and post-World War II Germany, or individuals, such as Frederick the Great, Bismarck, or Hitler. Prerequisite: History 201 and 202 or permission of the instructor. *3 Hrs.*

HIST 340 African-American History

This course concentrates on the history of African Americans from the colonial period to the present. It introduces students to the historical literature concerning the course of slavery in the United States, its abolition and aftermath, as well as the experience of free blacks in the North and South. It focuses on the institutionalization of segregation and African American efforts to achieve equality in an unequal system, culminating in the civil rights movement of the recent period. Cultural history--art, literature and music--are integral to the course, as is the experience of African American women. *3 Hrs.*

HIST 343 The United States at War in Vietnam

A study of our longest war, the U.S. involvement in Vietnam (1950-

1974). Special attention will be given to the critical period (1963-1973), which began with the toppling of the Ngo Dinh Diem regime and ended with the withdrawal of U.S. troops. The course will cover many facets of the conflict from a diversity of perspectives. Prerequisite: History 204. *3 Hrs.*

HIST 345 Religion in America

This course will provide students with a survey of the most important movements, people and events in American religious history from the settlement of the colonies to the present. The course will examine Protestant, Roman Catholic and Jewish traditions, as well as important cults and religious alternatives outside the traditional mainstream. Prerequisite: History 203 and 204 or permission of instructor. Students may elect this course as Religion 345. *3 Hrs.*

HIST 346 North Carolina History

A careful study of the events and personalities which have shaped North Carolina. This course permits students to become actively engaged in historical analysis by focusing on local history, and in some cases, by visiting historic sites. Prerequisite: History 203 or 204 or permission of the instructor. *3 Hrs.*

HIST 347 The Old South

This course traces the history of the South from the 1780s to 1865. In particular, it will study the social, economic, political, cultural and religious history of the old South, with special attention to the plantation system, the institution of slavery, gender relations, the sectional crisis and the Civil War. Prerequisite: History 203 or permission of the instructor. *3 Hrs.*

HIST 348 The New South

This course traces the history of the South from 1865 to the present. While political events from Reconstruction to the Civil Rights Movement frame the context, the course also examines the social and cultural context of the South through literature, art and music. It pays particular attention to the history of race, gender and labor issues that continue to occupy southerners today. It explores southern stereotypes and grapples with the question of regional difference and ideology. Prerequisite: History 204 or permission of the instructor. *3 Hrs.*

HIST 349 The Civil War and Reconstruction

This course will examine the social, political, economic and cultural causes and consequences of the American Civil War and Reconstruction. The course will emphasize the African-American experience, the civilian experience, the common soldier's experience, the major military campaigns and politics. Texts and readings for the course will include, but not be limited to, the work of Bruce Catton, Archer Jones, Kenneth Stampp and Michael Perman. Prerequisite: History 203 or 204 or permission of the instructor. *3 Hrs.*

HIST 361 Ideas and Values in Conflict in History

A study of decisive intellectual and moral conflicts involving individualism, humanism, obscurantism, fundamentalism, racism, nationalism, totalitarianism, socialism, Nazism, Communism,

materialism and fanaticism. Seminar format. *3 Hrs.*

HIST 362 Contemporary Ideas & Values

Like its companion seminar, History 361, this seminar investigates those ideas and values which shape human events and perspectives. This course focuses on contemporary ideas and values, that is, those issues which shape today and will shape tomorrow. While History 361 is an excellent preparation for this course, it is not a prerequisite. Prerequisite: History 201 or 202 or permission of the instructor. *3 Hrs.*

HIST 363 The History of Our Time

This seminar is an exercise in the historical imagination. It considers those events and persons which dominate today's headlines, and considers them from the an historical perspective. Specific themes will vary from semester to semester, but may include, for examples, investigations of world conflicts, political controversies, social-and economic developments, and cultural debates. Prerequisite: History 201 or 202 or permission of the instructor. *3 Hrs.*

HIST 389 Topics in United States History

Topics are announced annually. Prerequisite: History 203 or 204 or permission of the instructor. *3 Hrs.*

HIST 391 Topics in World History

Topics announced annually. Prerequisite: History 201 or 202 or permission of the instructor. *3 Hrs.*

HIST 392 American Women

Derived from primary sources of women themselves, this study examines the central role of women in U.S. history. The study focuses on the period 1830 to the present, with particular attention given to race, region and class. *3 Hrs.*

HIST 395 Intellectual History of the United States

Study of the intellectual tradition of the nation and the unique synthesis of ideas that has characterized American thought. Through examination of a cross-section of the works of major intellectual figures and explorations of the modes of thought of various generations, the course aims to provide students with deeper insights into the development of the "American" mind. Among topics under consideration are: the Puritan Mind, the American Enlightenment, ideas of the New Republic, the Mind of the South, individualism, pragmatism, conservatism and reform. Seminar format. Prerequisite: History 203 or 204 and Junior standing. *3 Hrs.*

HIST 396 Urban History: American Cities in the Life of the Nation

Study of growth, development and changing character of major cities in the United States from colonial days to the present. Emphasis placed on the city's impact on the thought and life of the nation. Prerequisite: History 203 or 204 or permission of the instructor. *3 Hrs.*

HIST 397 The United States: 1920 to 1945

The domestic history of the United States from 1920 to 1945; stress

placed on diverse cultural and intellectual developments with special attention to the strain of social change and the subsequent responses of the institutions and movements. Prerequisite: History 204 or permission of the instructor. *3 Hrs.*

HIST 398 The United States: 1945 to the Present

The domestic history of the United States during the post-World War II years; stress is placed on the 1950s and 1960s and the intellectual, cultural and social ferment from that period to the present. Prerequisite: History 204 or 397 or permission of the instructor. *3 Hrs.*

HIST 399 Forces of Change

A broad examination of various factors that act on individuals and society to produce change in the world. Climate, geography, economics, science and technology, global dynamics, culture, ideas, the individual and the masses, psychology, religion and philosophy are some of the factors that might be discussed, utilizing readings of Toynbee, Turner, Webb, Rostow, Marx, Mumford, Forrester, Spengler, Tolstoy, James and others. Seminar format. Prerequisite: Junior standing. *3 Hrs.*

HIST 449 Directed Readings in History

Independent investigation of a topic through a program of directed readings. There will be an interpretive paper and oral examination conducted by department members. Open to majors with a B average in history after departmental approval of the topic. *1, 2 or 3 Hrs.*

HIST 450 Independent Study in History

Independent investigation of a topic through the writing of a research paper; oral examination conducted by department members. Open to majors with a B average in history after departmental approval of the topic or project. *1, 2 or 3 Hrs.*

HIST 490 The Historical Approach

This senior seminar investigates the methods, assumptions and philosophies of history by critically examining selected classics of the historical profession. *3 Hrs.*

HIST 499 Professional Internship in History

Designed to enable students to receive training in law and politics, public administration, governmental and foreign service, or other such career opportunities for which history provides a background. Grading is Pass/Fail. Open only to junior and senior majors with the permission of the department. To count toward the history major at least three credit hours must be taken. *1, 2 or 3 Hrs.*

Interdisciplinary Studies

BUSINESS/FOREIGN LANGUAGE MAJOR. Students majoring in this interdisciplinary program will acquire business as well as foreign language skills.

The business administration-related courses required for this major include BCIS 110; Mathematics 105 and 206; Economics 203 and 204; and Business Administration 207, 208, 305, 320, 324, 333, 340, 360, 420 and 485. The foreign-language component of the major would be

French and/or Spanish.

Under the option for one language, the student will select 27 hours of the language above the 100-level.

With the option for two languages, the student will complete 15 hours of one language and 12 hours of the second language. These classes should all be above the 100-level.

WRITING-INTENSIVE COURSE REQUIREMENT. The writing-intensive course requirement is met with Business Administration 324.

EUROPEAN STUDIES

Major in European Studies. The major in European Studies is an interdisciplinary program which offers students a comprehensive knowledge of European civilization and enables graduates to consider business, diplomatic and other careers in Europe.

The program consists of two parts:

1. A core program of 42 credit hours to be distributed as follows:
   a. Art: six credit hours, 215, 216;
   b. English: six credit hours, 301, 302;
   c. History: six credit hours, 201, 202;
   d. Political Science: six credit hours selected from 206, 250, 301, 336, 337;
   e. Foreign Language: six credit hours at the 300-level or above;
   f. Nine additional credit hours in courses with a European emphasis to be chosen in consultation with the Foreign Studies Advisor;
   g. Capstone course: three credit hours, European Studies 470 (Senior Seminar).
2. Residency in Europe.

European Residency. A student majoring in European Studies must fulfill a residency requirement in Europe consisting of not less than six credit hours.

The Foreign Studies advisor assists majors in planning a European residency and must approve all proposed residency programs. These should be scheduled during Term II of the junior year, the summer following the junior year or Term I of the senior year. The Foreign Studies advisor will consult with the student during the residency and, in consultation with the Registrar and appropriate department heads, will determine the academic credit to be transferred or awarded for the residency when the student returns.

A student may fulfill the European residency requirement by participating in a program such as those offered by the Council on International Educational Exchange, the Experiment in International Living and the Association of United Colleges for Foreign Exchange and Study; by attending a European educational institution; by enrolling in an American-sponsored academic

program which does not isolate United States participants from other students; or electing European Studies 370. Credits earned through these programs and approved by the European Studies Program Committee may be transferred to Queens College. Credits earned in regular academic programs during the European residency may, with the approval of the Foreign Studies Advisor, may be used to satisfy some of the requirements in the core program.

WRITING-INTENSIVE COURSE REQUIREMENT. The writing-intensive course requirement is met with one of the following: Political Science 301, French 351, French 451, Spanish 351 or Spanish 451.

EUST 370 Independent European Residency

The student and the Foreign Studies Advisor may design an independent program of settled residency in Europe for as many as 12 credit hours on a P/NR basis. Credit may be granted for simple domicile with journal at one credit hour per month or two credit hours per month if the student is employed. This course is open only to majors in European Studies. Any credit earned in this course may be used only to meet the residency requirement and may not be used to meet core requirements. This course may not be taken concurrently with any international program for which credit may transfer to Queens.

EUST 470 Seminar on Europe (Senior Seminar)

An on-campus course required of all students majoring in European Studies; taken during the senior year. Students engage in independent study of a subject approved by the major advisor, participate in group discussions on selected topics and meet with specialists in various areas of European studies. *3 Hrs.*

HONORS PROGRAM. The Queens College Honors Program is designed for the academically talented student to provide as high a degree of freedom and individual challenge as possible.

Each year all students enrolled for a minimum of 12 hours and maintaining a cumulative grade-point average of 3.000 or higher are designated "Eligible for Honors." These students are permitted and encouraged to participate in the Honors Program. Students with grades of Incomplete are ineligible for honors unless granted special permission by the Honors Committee. Transfer students must spend one regular term at Queens before becoming eligible for honors.

Honors Courses. Students wishing to do independent honors work as part of a course (In-Course Honors) or as a directed reading or study (Honors 250, 350) must submit a written proposal with bibliography to the Honors Committee for approval. These proposals are due no later than the pre-registration period for the term in which they are to be undertaken.

In-Course Honors:

HONR 199 Open to students in 100-level courses. *1 Hr.*

HONR 299 Open to students in 200-level courses. *1 Hr.*

HONR 399 Open to students in 300-level courses. *1 Hr.*
HONR 499 Open to students in 400-level courses. *1 Hr.*

In-Course Honors is an opportunity for the student to pursue additional work in a course in which he or she is enrolled. The nature of the work is decided upon by the student and the instructor in whose course the work is to be taken. The student's work must consist of special readings; in addition, a written report is ordinarily required. The paper must be submitted in triplicate to the Honors Committee for the student to receive credit. The grade is determined by the instructor. Each of these courses may be repeated for additional credit.

HONR 110 Argument

This accelerated version of English 110 develops students' critical thinking and writing skills through the study of argumentation and an introduction to research methods. *3 Hrs.*

HONR 120 Writing About Literature

This accelerated version of English 120 further develops students' critical thinking, writing and research skills through the study of literary genres. *3 Hrs.*

HONR 230, 240 Honors Colloquium

Interdisciplinary colloquia will take place during both semesters of each academic year. Events will be coordinated with other on-campus events (visiting speakers, panels, films, etc.). Students will receive materials prior to designated events and will discuss these materials with visiting speakers and selected on-campus scholars. Students will be required to attend at least six such events each semester. *2 Hrs., 2 Hrs.*

HONR 250 Directed Readings

This course is open to second-semester freshmen, sophomores, juniors and seniors. Honors 250 provides an opportunity to explore, under supervision of a faculty member, related writings in a field of special interest to the student. No paper is required. An oral examination will be conducted by faculty members previously selected by the Honors Committee. The grade is determined by the faculty examination committee and the supervisor. Honors 250 may be repeated for additional credit. *1, 2 or 3 Hrs.*

HONR 350 Directed Study

This course is open to juniors and seniors. Honors 350 is a detailed study of a topic of special interest to the student, resulting in a paper and oral examination. The work is done under the direction of a faculty member with the joint supervision and evaluation of the Honors Committee. The paper must be submitted in triplicate to the Honors Committee. The student will appear before the committee for an oral examination on the paper. The grade is determined by the Honors Committee and the faculty supervisor of the project. Honors 350 may be repeated for additional credit. *1, 2, 3 or 4 Hrs.*

HONR 490-491

These courses are open to seniors who have completed five hours of

honors work with no more than four hours taken from In-Course Honors. This is an opportunity for extended research in a field of special interest, resulting in a paper and oral defense before an examining committee composed of the Honors Committee and faculty members chosen jointly by the student and the thesis advisor. A detailed proposal of research must be submitted in six copies to the Honors Committee for approval by April 20 of the student's junior year. The student will appear before the committee shortly after submitting this proposal to discuss the project with committee members, if necessary. Final approval of the proposal or suggested changes will be made at this meeting. A grade of "P/NR" will be assigned for Honors 490 until Honors 491 has been completed. The thesis must be submitted to the committee in triplicate upon completion in Term II. The student will appear before the committee for an oral defense of the thesis. The grade is determined by the Honors Committee, the advisor of the thesis and the chairperson of the department in which the work is done. The phrase "With Honors Thesis" is printed on the diploma of a student who successfully completes these two courses. *4, 5, 6 Hrs.*

INTERDISCIPLINARY STUDIES

IDST 200 Interdisciplinary Studies

An interdisciplinary course examining a major contemporary issue, offered in response to student and faculty interest. Credit as elective only. *3 Hrs.*

IDST 300 Interdisciplinary Studies

An interdisciplinary course examining a major contemporary issue, offered in response to student and faculty interest. Credit as elective only. *3 Hrs.*

IDST 450 Interdisciplinary Senior Thesis

Designed primarily for students who are engaged in interdisciplinary study at the advanced level. The project is supervised and evaluated by the student's major advisor and at least one person from another department. Open only to seniors. Students pursuing an honors degree should plan to take Honors 490 instead of Interdisciplinary Thesis 450. *3 Hrs.*

International Experience Program Studies

IEPS 210 International Experience Program Study Tour Preparation

Study of the culture, history, politics, geography, economy, society and language of the area upon which the study tour focuses. Grading is pass/no record. Open only to students enrolled in the appropriate study tour. Prerequisite to participation in the study tour. *Prerequisite:* Junior standing and a 2.000 cumulative grade-point average. *1, 2 Hrs.*

IEPS 220 International Experience Program Study Tour

The opportunity for the student to study and experience a foreign

culture through a study tour program arranged by the college and led by Queens faculty. Grading is pass/fail. Prerequisite: International Experience Program Studies 210. *1, 2 or 3 Hrs.*

IEPS 250 International Experience Academic Study Tour

The opportunity for the student both to study and to experience a foreign culture through a course which combines a study tour with relevant study of a specific topic or region (its culture, history, politics, geography, economy, society, and language). The study tours are arranged by the college and led by Queens faculty. Prerequisites: Junior standing and a 2.000 cumulative grade point average. *3 or 4 Hrs.*

Internships

INTE 299 Exploratory Internship

Exploratory internships are available to students regardless of major. Exploratory internships provide students with the opportunity to explore various career options. The student will observe a professional and may assist in a limited capacity, but does not assume a professional role. Students will be supervised by persons employed in the selected setting and by a faculty internship instructor. Available only through the end of the 1996-97 academic year. *1, 2 or 3 Hrs.*

INTE 499 Professional Internship

Professional internships are available to juniors and seniors regardless of major. Professional internships provide students with practical experience applying academic skills acquired from a variety of disciplines. Students will contribute their academic skills to an organization instead of only observing and exploring the internship setting. Students will be supervised by persons employed in the selected internship setting and by a faculty internship instructor. *1,2, or 3 Hrs.*

Note: Beginning with the fall semester 1996, the Professional Internship course will only be offered to juniors and seniors who are selected to participate in the new enhanced internship program which includes a seminar and requires six credit hours, three hours for each of two semesters. The class of 2000 will be required to complete six hours of INTE 499 credit as a graduation requirement.

Italian

ITAL 101, 102 Elementary Italian I and II

Presentation of the basic structure of the language with emphasis on correct oral and written usage. *3 Hrs.*

ITAL 201, 202 Intermediate Italian I and II

Review and more advanced study of the language with emphasis placed on structure and written and oral use. Introduction to Italian culture and civilization. *3 Hrs., 3 Hrs.*

Language

LANG 101, 102 Elementary Foreign Language I and II

Fundamentals of grammar and phonetics, reading, writing and conversation. This course will be offered on a rotating topics basis as demand and faculty with sufficient credentials dictate. Languages that may be offered include Latin, Greek, Hebrew, Japanese, Chinese, Portuguese, Arabic, etc. *3 Hrs.*

LANG 201, 202 Intermediate Foreign Language I and II

Review and more advanced study of a language with emphasis placed on structure and written and oral use. Introduction to the country's culture. *3 Hrs., 3 Hrs.*

Liberal Learning

The Foundations of Liberal Learning Program at Queens College consists of a sequence of six courses. Participation in all six courses is required of all full-time candidates for undergraduate degrees in the College of Arts and Sciences.

The aim of Liberal Learning is to encourage a "complex imagination," an intellectual energy which actively strives to connect, inter-relate and integrate human experience. In the Foundations of Liberal Learning Program, both students and teachers consider human experience as a whole, not as a set of isolated segments, and they work to connect experience across disciplines, through past, present and future and across cultures. In all the Liberal Learning courses, the focus is on active learning, small group work, creative problem-solving and ethical reflection.

LLRN 110 The Person

Study begins with the person, seen as a unity of body, mind and spirit. This course considers issues such as biological and psychological growth as well as character, identity and commitment. It also focuses on the process of developing and testing hypotheses and on the analysis of arguments. Materials studied reflect the diversity and complexity of the human person. *5 hrs.*

LLRN 120 The Person in Community

The second semester of Liberal Learning studies people in communities. Topics investigated include the nature and role of friendships, the family, social roles and topics such as gender, race and class, as well as the processes of community building, social conflict and community action. Of particular interest to this course are the ways in which common values are expressed not only in logical and scientific assertions but also in symbol, metaphor and cultural myth. *5 hrs.*

LLRN 210 Person and Community in National Framework

The third semester of Liberal Learning places the person and

community in a national framework. The institutions and experiences of the United States are of special but by no means exclusive concern. Of particular interest to this course are the ways in which people in communities and nations deliberate about the issues facing them and select courses of action to follow. *5 hrs.*

LLRN 220 Person, Community and Nation in an International Framework

The fourth semester of Liberal Learning expands the focus of the program even wider to incorporate person, community and nation within an international framework. Many of the issues directly affecting human flourishing (such as the international economy, ecology, war and peace, and the protection of human rights) have a crucial global and Third World dimension. *5 hrs.*

LLRN 310 Critical Studies

The fifth semester of Liberal Learning investigates subjects in depth and in an interdisciplinary manner, incorporating materials from several disciplines. Texts and materials for will emphasize critical analysis and discussion of abstract ideas, clearly building on the materials and methods used in Liberal Learning 110 through 220. A student may not fulfill this requirement with a course that is cross-listed in his or her major. The course should be taken in the junior year. Prerequisites: Completion of the Liberal Learning 110 through 220 requirements. *3 hrs.*

LLRN 410 Ethics and Action

The sixth and final semester of Liberal Learning returns to the person and the nature of human flourishing, the person now seen as an ethical actor living within community, nation, world and influenced by worldviews. *3 hrs.*

Mathematics

It is the nature of mathematics to examine concepts from nearly all areas of thought using a uniquely abstract and deductive approach. Although mathematical investigation often involves the use of expressions which represent numbers, many of the discoveries of the discipline extend beyond the quantitative.

MATHEMATICS COMPETENCY. Upon entry into the College of Arts and Sciences, all students will be required to take a mathematics placement test. On the basis of the placement test results and their previous academic record, students will be placed in one of the following three categories:

Category A: Not required to take mathematics courses as a general college requirement; if student does take a mathematics course, placement is MATH 121 or above.

Category B: Required to successfully complete either MATH 104, MATH 105 or MATH 111.

Category C: Required to successfully complete either MATH 104, MATH 105 or MATH 111. Completion of MATH 099 is

suggested before enrolling in MATH 104, MATH 105 or MATH 111.

CAREERS. The Department of Mathematics offers courses which reflect the general nature of mathematics. The student majoring in mathematics can choose a program which provides preparation for teaching at the secondary school level, continuing the study of mathematics in graduate school or pursuing the many opportunities in interdisciplinary areas such as sociology, psychology and biology. In addition, a rigorous training in mathematics or applied mathematics is excellent intellectual training for a wide variety of careers.

TEACHER CERTIFICATION. Students majoring in mathematics may earn certification to teach on the secondary level (grades 9-12). Refer to the Education Department section of the *Catalog* for specific requirements.

BACHELOR OF ARTS. Requirements for the mathematics major: Mathematics 121, 122, 209, 221, 303, 401, 405, 415, 496, 497; one course from Mathematics 402, 406, 417; and nine additional hours taken from courses numbered 200 or above. Physics 101 and 102 and Computer Science 131 are strongly recommended. An honors thesis in mathematics may be substituted for mathematics 496, 497.

Requirements for the mathematics minor: A minor in mathematics consists of Mathematics 121, 122, 209, 221; and nine additional hours taken from courses numbered 200 or above. (Six hours must be from courses numbered 300 or above.)

Requirements for the mathematics major with a concentration in computer science: Mathematics 121, 122, 209, 221, 303, 401, 405; one course from Mathematics 402, 406, 409; Computer Science 131, 132, 231, 325, 355, 370; and three additional hours taken from courses at the 400 level. Physics 101 and 102 are strongly recommended.

Requirements for the mathematics major with a concentration in actuarial science: Mathematics 121, 122, 209, 221, 303, 401, 405, 406, 408, 409, 415, 496, 497; one additional course numbered 200 or above. Physics 101 and 102 and Computer Science 131 are strongly recommended.

WRITING-INTENSIVE COURSE REQUIREMENT. The writing-intensive course requirement is met with Mathematics 401.

MATH 099 Basic Mathematics

This is a developmental mathematics course including topics generally found in high school algebra II. Credit for this course may not be used toward graduation. *3 Hrs.*

MATH 104 Mathematical Ideas

The course will explore topics selected from number theory, probability theory, topology and set theory. In addition, such areas as logic, modern geometries, chaos theory and fractals may be addressed. Throughout, unifying concepts of investigation, conjecture, counter examples and applications will be stressed. Prerequisite: Mathematics

099 or satisfactory performance on the mathematics placement test. *3 Hrs.*

MATH 105 Finite Mathematics

Systems of equations, matrices, coordinate systems and graphs and an introduction to linear programming, stochastic matrices, the mathematics of finance, difference equations and mathematical models. Topics are applied to illustrate the uses of finite mathematics in other disciplines. Prerequisite: Mathematics 099 or satisfactory performance on the mathematics placement test. *3 Hrs.*

MATH 111 Precalculus

Topics will include functions and their graphs, exponential and logarithmic functions, trigonometric functions, trigonometric equations, the theory of polynomials, systems of equations, sequences and analytic geometry. Prerequisite: Mathematics 099 or satisfactory performance on the mathematics placement test. *3 Hrs.*

MATH 121 Calculus I

An integrated treatment of analytic geometry and limits, continuity of functions, differentiation of algebraic and trigonometric functions, applications of derivatives to extreme values and curve sketching, the fundamental theorems of integral calculus and an introduction to integration. Prerequisite: Mathematics 111 or consent of the mathematics department. *3 Hrs.*

MATH 122 Calculus II

The calculus of transcendental functions, indeterminate forms and l'Hopital's rule, applications and techniques of integration, improper integrals and infinite series, including Taylor and Maclaurin series. Prerequisite: Mathematics 121. *3 Hrs.*

MATH 203 Mathematical Modelling

A study of mathematical modelling including model construction, analysis and research. Problems will be taken from the natural sciences and social sciences. The course will cover the mathematical concepts of proportionality, systems of equations, curve fitting and approximation methods and elementary differential equations. Prerequisite: Mathematics 122. *3 Hrs.*

MATH 206 Statistical Methods

An introduction to data analysis and statistical concepts. Interpretation and calculations for description of single variables and simple regression, basic probability, random variables, confidence intervals and tests of hypotheses. Computer software is introduced. Prerequisite: One course from Mathematics 104, 105 or a course above the 105 level. *3 Hrs.*

MATH 209 Discrete Mathematics

A rigorous treatment of relations, functions, set theory, Boolean algebra, logic and methods of proof, the binomial theorem, combinatorics, elements of number theory and recursion. Pre- or co-requisite: Mathematics 122. *3 Hrs.*

MATH 221 Calculus III

Conic sections and polar coordinates, vectors and analytic geometry in space, vector-valued functions, multi-variable functions and their derivatives, multiple integrals and the theorems of Green and Stokes. Prerequisite: Mathematics 122. *5 Hrs.*

MATH 303 Linear Algebra

Coordinate geometry, vectors and three-dimensional geometry, matrices and determinants, linear transformations. Prerequisites: Mathematics 209, 221. *3 Hrs.*

MATH 304 Geometry

Modern approach to the study of Euclidean and non-Euclidean geometries, including incidence and affine geometries; designed especially for students preparing to teach. Prerequisites: Mathematics 209, 221. *3 Hrs.*

MATH 307 Introduction to Topology

An examination of continuity, connectedness and compactness. Prerequisites: Mathematics 209, 221. *3 Hrs.*

MATH 311 Differential Equations

This course is designed to introduce the student to differential equations and their applications. In addition to studying the theoretical aspects of differential equations, students will also examine numerical methods and solutions with the use of the existing computer facilities and software. Prerequisite: Mathematics 221. *3 Hrs.*

MATH 343 Number Theory

The structure of the integers and rational numbers and integer solutions of various types of equations; algorithms and theorems relating to the properties of division, the factorization of integers into primes and the rational approximation of irrational numbers. Prerequisites: Mathematics 209, 221. *3 Hrs.*

MATH 401 Modern Algebra I

Introduction to abstract algebra through a study of groups. Topics include basic properties of integers, permutation groups, subgroups, quotient groups, group isomorphisms and group homomorphisms. This course fulfills the writing-intensive course requirement. Prerequisite: Mathematics 303. *3 Hrs.*

MATH 402 Modern Algebra II

Continuation of Modern Algebra, treating topics in the theory of rings and ideals, integral domains, division rings and fields. Prerequisite: Mathematics 401. *3 Hrs.*

MATH 405 Introduction to Probability and Mathematical Statistics I

Introductory study of probability as a mathematical system. Topics include set theory and probability, conditional probability, random variables and distributions, expectation, and special discrete and continuous probability distributions. Prerequisites: Mathematics 209, 221. *3 Hrs.*

MATH 406 Introduction to Probability and Mathematical Statistics II

Continuation of Mathematics 405 treating topics in the theory of estimation, sampling distributions of estimators, hypothesis testing, categorical data and nonparametric methods, and linear statistical models. Prerequisite: Mathematics 405. *3 Hrs.*

MATH 408 Applications in Statistics

Application of statistical methods to social science, actuarial science and the natural sciences. Topics include analysis of variance, regression analysis and time series analysis. Prerequisite: Mathematics 406. *3 Hrs.*

MATH 409 Numerical Analysis

Roots of algebraic and transcendental equations, the numerical solution of differential equations, initial value problems for ordinary differential equations and approximation theory. Prerequisite: Mathematics 311. *3 Hrs.*

MATH 415 Introduction to Real Variable Theory

Careful axiomatic development of the real number system, limits of functions and real sequences, continuity, theory of differentiation and integration. Prerequisite: Mathematics 209, 221. *3 Hrs.*

MATH 417 Introduction to Complex Analysis

Development of the theory of complex numbers and functions, power series, Cauchy's theorem and applications, harmonic functions and conformal mapping. Prerequisite: Mathematics 415. *3 Hrs.*

MATH 430 Topics in Mathematics

This course provides the opportunity for a faculty member and a group of interested students to study a subject that is not offered on a regular basis in the curriculum. Topics are announced annually. May be repeated for credit under different subtitles. Prerequisite: One year of college mathematics. May vary with topic. Lecture hours vary with the hours credit and the course taught. *1, 2, 3 or 4 Hrs.*

MATH 450 Independent Studies in Mathematics

Research projects in the area of the student's interest; written report will be required. May be repeated for credit. Prerequisite: Open to advanced students with permission of the instructor. *1, 2 or 3 Hrs.*

MATH 496 Senior Seminar Preparation

Each senior will be assigned an advisor from the mathematics faculty, with whose guidance the senior will read in a mathematical area and select the topic for a paper to be written in the spring semester. A grade of K will be assigned for Mathematics 496 until Mathematics 497 has been completed. Prerequisite: Senior standing. Fall semester only. *1 Hr.*

MATH 497 Senior Seminar

Each senior will complete the paper for which preparatory work was done during the fall semester. The paper will be presented in the senior seminar and a written version of the paper may be housed in the library. Prerequisite: Mathematics 496. Spring semester only. *2 Hrs.*

MATH 499 Mathematics Professional Internship

Practical experience under supervision in the field of mathematics. Prerequisite: 24 semester hours in mathematics courses and permission of the department. *1, 2 or 3 Hrs.*

Music

The Music Department seeks to provide superior training for students interested in pursuing a professional music career, including preparation for such positions as performer, teacher, music therapist or research scholar. It also aims to provide opportunities for persons minoring in music or majoring in other fields to develop special musical abilities in an atmosphere that focuses upon the individual student's abilities, needs and interests. The Music Department feels that it is most important to insure that all students have the opportunity to become more musically literate and to foster in them a lifelong appreciation for music. The department endeavors to approach all musical learning within the context of the totality of all knowledge, integrating the musical experience with outside learning and knowledge. As a part of its outreach program, it provides private instruction and music therapy sessions to individuals in the community ranging from pre-school to adults in the Queens Music Academy. The Music Department seeks to provide opportunities to hear a variety of live musical performances of superior quality by the entire community involving performances by campus ensembles and individuals as well as groups from the community and professional performing world. Through its contacts with local professional groups, arrangements can be made for students to study any standard orchestral instrument, including those not listed specifically in this section.

BACHELOR OF ARTS.

Requirements for the Major: Forty credit hours in music including Music 10, 11, 20, 21, 30, 31, 40, 41, 100, 103, 104, 113, 114, 205, 213, 214, 307, 308, 320, 407; at least one year of ensemble work (choir or instrumental ensemble); and at least one credit hour of private training in applied music for four terms.

At least 18 of the 40 hours shall be in courses numbered 300 and above. In addition to the general music emphasis under this degree program, there are options for concentrations in pedagogy, music-business and sacred music through double majors or through minors in business, religion, etc.

Requirements for the Minor: Music 100 plus three additional hours chosen from Music 307, 308 or 407; Music 103, 104, 113, 114; four credit hours in applied music and/or ensemble, six credit hours of music electives.

BACHELOR OF MUSIC. Candidates are required to fulfill the same degree requirements as those required of all liberal arts candidates. An audition is required for any student wishing to be admitted to a Bachelor of Music program.

Also required are: Music 10, 11, 20, 21, 30, 31, 40, 41, 100, 103, 104, 113, 114, 205, 206, 213, 214, 307, 308, 320 (not required for music therapy majors), 407; six to eight credit hours of ensemble work (choir or instrumental ensemble). However, the ensemble credit for all majors must include experience in both large and small ensembles and the following:

1. In applied music: 38 hours of music apportioned as follows: 21 to 24 hours in a chosen instrument, Music 399, 400, 420, Music 215, 216, 324 (voice majors only), 313, 314 or 413, 414 (piano majors only), two credit hours in conducting, four to seven additional hours in music courses and four additional hours (in four terms) in other applied music. At the end of the sophomore year a qualifying examination will be given in the major applied area. Voice majors are required to have two years of study of a foreign language on the college level or to pass a proficiency examination equal to same.
2. In music therapy: Music 195, 209, 211, 341, 342, 343, proficiencies in a principal applied instrument (or voice), guitar, piano, voice, and elective hours in music to bring the total to 60 hours, including two credit hours of conducting; music therapy courses 217, 401, 402, 409, 410, 411, 412 and 499B; 20 hours of work in the behavioral/health/natural sciences areas, including Psychology 201, 304, 308, 320 and Biology 111, 111L. Biology 111 and 111L also fulfill the natural science requirement for music therapy majors. The entire music therapy program is detailed in a special bulletin.

WRITING-INTENSIVE COURSE REQUIREMENT. The writing-intensive course requirement for the Bachelor of Arts degree is met with Music 320. The writing-intensive course requirement for the Bachelor of Music degree in applied music is met with Music 320. The writing-intensive course requirement for the Bachelor of Music degree in music therapy is met with either Music 409 or 410.

MUSC 100 Introduction to Music

Study of the basic materials of music, survey of the important composers and examination of selected masterpieces with reference to cultural background; technical knowledge of music not necessary for enrollment. *3 Hrs.*

MUSC 103 Beginning Theory and Composition I

Fundamentals of notation, tonality, scales and modes, interval and triadic structure. Elementary characteristics of melodic form. Four-part writing in a homophonic style using triadic structures. Analysis of chorale style involving triads, seventh chords, modulation, nonharmonic tones. *3 Hrs.*

MUSC 104 Beginning Theory and Composition II

Part writing in a homophonic style using triadic structures, seventh chords, nonharmonic tones, modulation, secondary chords and other

chromatic harmonies. Prerequisite: Music 103. *3 Hrs.*

MUSC 113, 114 Elementary Sight-Singing and Ear-Training

Study and application of techniques of music reading and identification of sound. Grading is Pass/No Record. Course is completed at any time during the term when proficiency has been achieved. Prerequisite to Music 113: Music 103. Prerequisite to Music 114: Music 113. *1 Hr. 1 Hr.*

MUSC 131, 132 Freshman Music Therapy Practicum I, II

Students who are freshmen in the music therapy program will work in the on-campus Music Therapy Clinic, observing, planning, conducting and evaluating music therapy sessions for children with various disabilities. Grading is Pass/Fail for all students enrolled. *1 Hr., 1 Hr.*

MUSC 205 Intermediate Theory and Composition I

Continuation of chromatic harmonies. Introduction to and analysis of small forms. A study of basic homophonic forms. Introduction to compositional techniques of the 20th century and possibilities of melodic, harmonic and tonal expansion. Analysis and written exercises. Prerequisite: Music 104. *3 Hrs.*

MUSC 206 Intermediate Theory and Composition II

Introduction to 16th and 18th century counterpoint. Two-and three-voiced writing in contrapuntal and harmonic styles. Analysis and written exercises. Prerequisite: Music 104. *3 Hrs.*

MUSC 207 Music in America

A survey of music and musical practices in the United States from colonial times to the present, with particular emphasis on those inherent qualities which have permeated America's serious and popular music over the past three centuries. No musical background necessary. *3 Hrs.*

MUSC 208 Piano Technology

An introductory study of piano technology with special emphasis on the practical application of tuning, elementary repair and maintenance. Admission of non-music majors by permission of the instructor. *3 Hrs.*

MUSC 209 Recreational Music

Materials, methods and repertoire used in music therapy for leisure-time activities. Particular emphasis will be placed on appropriate song material for individuals of varying ages and music preferences. Completion of guitar is recommended. *2 Hrs.*

MUSC 211 Music Leadership

Experience is gained in planning, implementing, facilitating and evaluating appropriate music therapy experiences for special populations. Emphasis is placed on arranging and conducting small vocal and non-symphonic instrumental ensembles. Prerequisite: Music 217. *3 Hrs.*

MUSC 213, 214 Intermediate Sight-Singing and Ear-Training

Study and application of techniques of music reading and identification of sound. Grading is Pass/No Record for all students enrolled. Course is completed at any time during the term when proficiency has been achieved. Prerequisite to Music 213: Music 114. Prerequisite to Music 214: Music 213. *1 Hr., 1 Hr.*

MUSC 215 Diction for Singers (English, Latin and Italian)

Two 50-minute periods weekly in which students are instructed in use of the International Phonetic Alphabet as well as the correct pronunciation of the English, Latin and Italian languages in relation to singing. Prerequisite: Previous vocal training or consent of the instructor. *1 Hr.*

MUSC 216 Diction for Singers (French and German)

Two 50-minute periods weekly in which students are instructed in the correct pronunciation of the French and German languages in relation to singing. Prerequisite: Music 215. *1 Hr.*

MUSC 217 Introduction to Music Therapy

An introductory course surveying the use of music therapy with individuals having various handicapping conditions including mental retardation, emotional disturbance, orthopedic handicaps, medical disorders, speech, hearing and visual impairments. Open to all students. *3 Hrs.*

MUSC 218 Music in World Cultures

A study and exploration of non-Western music and musical practices. An acquaintance with some of the non-notated musical repertoire from Asia and Africa as well as some oral traditions from Europe. Emphasis will be placed on exploring some of the cross-cultural influences of music from ethnic minorities in the United States. *3 Hrs.*

MUSC 231, 232 Sophomore Music Therapy Practicum III, IV

Further working experience in the on-campus Music Therapy Clinic. Students continue to apply training and skills gained from the introductory course and experienced in music therapy study. Required of all sophomore music therapy majors. Grading is Pass/Fail for all students enrolled. *1 Hr., 1 Hr.*

MUSC 307 Music from the Ancient Greeks through the Baroque Era

Study of the broad aspect of music in Western civilization from approximately 500 B.C. through the Baroque era; emphasis on representative composers and forms. Prerequisite: Music 100. *3 Hrs.*

MUSC 308 Music in the Classical and Romantic Eras

Study of the newly perfected forms of orchestral, chamber and keyboard music as found in the works of Haydn, Mozart and the earlier Beethoven; and of the progression of the romantic element in music of the nineteenth century and composers involved. Prerequisite: Music 100. *3 Hrs.*

MUSC 313, 314 Elementary Piano Pedagogy and Materials

Topics in methods, piano-readiness, musicianship, theory, technique and interpretation as they pertain to the first four years of piano study; extensive survey and evaluation of pedagogical materials. Observation of piano teachers and supervised student teaching in piano at the elementary level. Prerequisite: Music 195 or permission of the instructor. *3 Hrs., 3 Hrs.*

MUSC 315 Hymnology and Choral Literature

The study of the hymn and hymn writers. The poetic and metrical form of the hymn. The philosophy and use of the hymn in worship. An historical and stylistic survey of choral literature for use in the church. *3 Hrs.*

MUSC 316 Church Liturgies and Music

Background review of the liturgies and music of all branches of the Christian church. Background begins with Hebrews, and study continues with the Greek, Roman, Anglican, Lutheran and Reformed faiths. *3 Hrs.*

MUSC 317 The Organ in Church Service

Instruction in church service playing, with emphasis on repertoire, hymn playing, choir accompaniment, modulation, improvisation and discussion of electronic organs in use today. Prerequisite: Permission of the instructor. *3 Hrs.*

MUSC 319 Study of a Composer

Each term that this course is offered, one composer will be selected for an in-depth examination of the composer's life, works, style and influence on contemporaries and followers. Prerequisite: Music 100. May be taken more than once with different composers studied. *3 Hrs.*

MUSC 320 Seminar in Applied Analysis

Independent study and analysis of compositional techniques and formal styles of compositions studied in music literature and applied music classes. This course fulfills the writing-intensive course requirement for the Bachelor of Arts degree or the Bachelor of Music degree in applied music. Prerequisite: Music 204. *3 Hrs.*

MUSC 324 Vocal Pedagogy and Literature

Materials, methods and procedures for the teaching of private and class voice. Survey, evaluation and examination of vocal literature for elementary and advanced students. Supervised practice teaching within the class and observation of private voice teaching. Prerequisites: Permission of the instructor and one year of college-level vocal instruction. *3 Hrs.*

MUSC 331, 332 Junior Music Therapy Practicum V, VI

A continuation of working experience in the on-campus Music Therapy Clinic. Students now take a more responsible role in working with clients, and applying skills and training gained in upper level music therapy courses. Grading is Pass/Fail. *1 Hr., 1 Hr.*

MUSC 341 String Laboratory

Two weekly sessions of 50 minutes each in which students, especially those in the music therapy program, are taught techniques of playing standard string instruments as well as fretted instruments. *1 Hr.*

MUSC 342 Wind Laboratory

Two weekly sessions of 50 minutes each in which students, especially those in the music therapy program, are taught techniques of playing brass and woodwind instruments. *1 Hr.*

MUSC 343 Percussion Laboratory

Two weekly sessions of 50 minutes each in which students, especially those in the music therapy program, are taught techniques of playing percussion instruments. *1 Hr.*

MUSC 350 Independent Studies in Music

Students who have shown a particular interest in some phase of music may pursue this interest under the guidance of an appointed faculty member. Prerequisite: Permission of the department, junior or senior standing, and at least a B average in all music studies taken at Queens College. *3 Hrs.*

MUSC 399 Half-Recital

The preparation and performance of a half-recital in the major instrument. A performance examination must be passed at least 30 days before the scheduled day of performance. Grading is Pass/No Record for all students enrolled. *1 Hr.*

MUSC 400 Senior Recital

The preparation and performance of a full public solo recital in the major instrument. A performance examination must be passed at least 30 days before the scheduled day of performance. Grading is Pass/No Record for all students enrolled. Only Bachelor of Music performance majors may enroll in this course. *2 Hrs.*

MUSC 401 Psychology of Music

Music preference and ability are studied, along with physiological, cognitive and affective responses to music. Prerequisites: Psychology 201. To be taken in junior or senior year. Open to all students. *3 Hrs.*

MUSC 402 Psychology of Music II

Study of observation systems and measurements as well as historical, philosophical, descriptive and experimental research related to music therapy. Prerequisite: Music 401. *3 Hrs.*

MUSC 407 Music Literature of the Twentieth Century

Study of the development of music during the twentieth century beginning with the works of Debussy and Mahler; aspects, means of expression and present-day tendencies examined and discussed through the use of contemporary masterpieces. Prerequisite: Music 100. *3 Hrs.*

MUSC 408 Composition

Creative expression in various music media based on a study of traditional and twentieth-century forms and techniques of composition; suitable compositions performed in workshop recitals. Admission by

permission of the instructor. *3 Hrs.*

MUSC 409 Music in Therapy I

The use of music therapy in clinical settings with psychiatric and geriatric clients. Assessment, behavioral objectives, treatment plans, documentation and evaluation, as well as treatment modalities and therapeutic techniques are discussed for each population. Must be taken concurrently with Music 411. Open to music therapy juniors and seniors. This course fulfills the writing-intensive course requirement for the Bachelor of Music degree in music therapy. *3 Hrs.*

MUSC 410 Music in Therapy II

Continuation of Music in Therapy I with special emphasis on new trends and uses of music therapy in childbirth, general hospital settings, substance abuse and pain centers. Major therapeutic techniques are surveyed and discussed. The course concludes with a comprehensive review of medical, clinical and population terminology. Must be taken concurrently with Music 412. This course fulfills the writing-intensive course requirement for the Bachelor of Music degree in music therapy. Prerequisite: Music 409. *3 Hrs.*

MUSC 413, 414 Advanced Piano Pedagogy and Literature

For use in teaching the more advanced student; comprehensive survey of the literature of the piano, with discussion of musicianship; technique, theory and interpretation. Students concentrating in piano pedagogy should take Music 417, 418 concurrently. *2 Hrs., 2 Hrs.*

MUSC 417, 418 Supervised Student Teaching in Piano

Observation of piano teachers and supervised student teaching in piano at the elementary level. *Prerequisites:* Music 313, 314. *1 Hr.,1 Hr.*

MUSC 420 Conducting

A course designed to develop conducting skills appropriate to the performance of instrumental and choral music. Basic skills covered include the negotiation of various patterns, preparatory beats, cues, releases, etc. *2 Hrs.*

MUSC 422 Choral Methods

A course designed to introduce the student to methods and materials involved in the performance of choral music on all levels. Topics include vocal production, choral diction, ensemble-singing, rehearsal techniques, as well as the overall management of a choral program. *2 Hrs.*

MUSC 425 Orchestration/Instrumental Arranging

A course involving the arranging of music for orchestra, band and small instrumental ensembles, with emphasis on the skills needed by music education students in working with elementary and secondary school instrumental groups. *2 Hrs.*

MUSC 431, 432 Senior Music Therapy Practicum VII, VIII

Music therapy sessions conducted by music therapy seniors in a variety of human service agencies in the community. Special emphasis is given to adults, including psychiatric and geriatric clients. Must be

taken concurrently with Music 409, 410. *2 Hrs., 2 Hrs.*

MUSC 450 Laboratory in Non-Traditional Media

Directed studies in art forms utilizing unconventional media, ranging from kinetics, neon and multi-track recordings to more sophisticated electronic forms (videotape, synthesized sound, etc.). Class sessions include discussions of critical theory, group critiques and individual tutorial sessions. Prerequisites: upperclass standing; recommendation of departmental sponsor or for elective credit, instructor's permission. Can be repeated once for credit. *3 Hrs.*

MUSC 457 Music Management Seminar

This course meets for two hours, one evening per week with guest lecturers on facets of the music industry (copyright laws, retail and wholesale marketing, arts management, publicity, advertising, piano tuning, instrument maintenance, radio and TV, fundamentals of sound recording, fund raising, etc.). Prerequisite: Senior standing. *2 Hrs.*

MUSC 499A Professional Music Internship: Music Business

Assignment to a music organization and/or corporation for on-the-job experience. May be repeated once. Limited to junior or senior music students who are minoring in business. Grading is Pass/Fail for all students enrolled. *1, 2 or 3 Hrs.*

MUSC 499B Professional Music Internship: Music Therapy

A six-month continuous full-time affiliation with an approved clinical facility which follows all course work. The intern will perform assigned music therapy duties under the supervision of an experienced registered music therapist. Open to music therapy majors who have completed all course work. Grading is Pass/Fail for all students enrolled. *4 hours minimum.*

MUSC 499C Professional Music Internship: Sacred Music

Working in local churches to develop a consistent philosophical, theoretical and practical approach to music in worship. Grading is Pass/Fail for all students enrolled. *1, 2 or 3 Hrs.*

APPLIED MUSIC. The designation for the individual instrument studies is indicated by the letter following the course number: (p) piano, (o) organ, (s) strings, (v) voice, (g) guitar, (h) harp (z) other instruments.

Applied Music (for no credit). Students should register through the Queens Music Academy.

PRIVATE INSTRUCTION. Piano, organ, strings, voice, guitar, harp or other instrument. The general aim of private instruction is development of all phases of performance: technique, style, musicianship, interpretation and repertoire. Assignments to instructors are made by the chairman of the department and students usually remain with the same instructor throughout the course of study. Students registered for two or three credits per term receive 60 minutes of individual instruction and a one-hour weekly group repertoire or workshop session; students registered for one credit per term receive 30 minutes of individual instruction and a one-hour weekly group repertoire or workshop session. See fee schedule in section on Costs. Credit received in applied music on the basis of Pass/No Record

grading cannot be used toward major or minor concentrations in music.

MUSC 171, 181 Private Instruction in Applied Music and Repertoire Class

One hour of daily practice required. May be repeated for credit. *1 Hr., 1 Hr.*

MUSC 172, 182 Private Instruction in Applied Music and Repertoire Class

Two hours of daily practice required. May be repeated for credit. *2 Hrs., 2 Hrs.*

MUSC 173, 183 Private Instruction in Applied Music and Repertoire Class

This course is open only to applied music (performance) majors under the Bachelor of Music degree program and requires no fewer than three hours daily practice and two approved public performances (student workshops included) in each term. Freshman performance majors are exempted from the requirement of giving a public performance during Term I. May be repeated for credit. *3 Hrs., 3 Hrs.*

MUSC 371, 381 Private Instruction in Applied Music and Repertoire Class

Admission to upper-level standing only by permission of music faculty or jury examination. One hour of practice required daily. *1 Hr., 1 Hr.*

MUSC 372, 382 Private Instruction in Applied Music and Repertoire Class

Admission to upper-level standing only by permission of music faculty or jury examination. Two hours of practice required daily. *2 Hrs., 2 Hrs.*

MUSC 373, 383 Private Instruction in Applied Music and Repertoire Class

These courses are open only to applied music performance majors under the Bachelor of Music degree program and juniors and seniors in the piano pedagogy curriculum and require no fewer than three hours daily practice. Performance majors are required to have two approved public performances (student workshops included) in each term. Specific performance requirements for piano pedagogy students enrolled here are waived. Admission to upper-level standing only by permission of the music faculty or at jury examinations. *3 Hrs., 3 Hrs.*

MUSIC CLASSES. Credit hours gained in courses marked with an asterisk (*) may not be counted toward the 40-hour music concentration under the B.A. program in music.

***MUSC 155, 156 Piano Class for Music Majors**

One weekly session of 50 minutes in which classes of beginning piano students are instructed in the fundamentals of piano playing in partial preparation for entering Music 195. Primarily for music therapy, music education and other students who are required to have a piano proficiency before graduation. Regular practice required. Music 155 is prerequisite to Music 156. *1 Hr., 1 Hr.*

***MUSC 157, 158 Piano Class for Non-Music Majors**

One weekly session of 50 minutes in which classes of students are instructed in the beginning phases of piano playing. Elective for students with no previous training; regular practice required. Music 157 is prerequisite to Music 158. *1 Hr., 1 Hr.*

***MUSC 165, 166 Guitar Class**

One weekly session of 50 minutes in which students are instructed in the fundamentals of guitar playing. This course is specifically designed for the music therapy major who must pass a proficiency exam in this instrument before graduation. Grading is Pass/No Record for all students enrolled. Music 165 is prerequisite to Music 166. *1 Hr., 1 Hr.*

***MUSC 175 Voice Class**

Two weekly sessions of 70 minutes each, in which students with little or no vocal training are instructed in the basic vocal principles, simple exercises and songs; regular practice is required. Open to all students; recommended for music therapy majors who will not study voice as the principal applied area. Should be taken as early as possible in the program of study. Grading is Pass/No Record for all students enrolled. *1 Hr.*

MUSC 177, 178 Symphonic Band

This ensemble is open to all Queens College students by permission of instructor. Repertoire will include standard band literature with a concert scheduled each semester. This group will perform as a pep band, *Royal Pride*, for selected home basketball games and other campus events. Course may be repeated. *1 Hr., 1 Hr.*

MUSC 185, 186 Ensembles:

(1) **Small Ensemble:** Accompanying or work, discussion, and performance in chamber groups, sonatas, trios, quartets.

(2) **Orchestra:** Participation in the Queens Community String Orchestra. (The string orchestra and wind ensembles will give joint performances of full orchestral literature periodically.) There will be a music usage fee for all non-Queens persons enrolled.

(3) **Vocal Coaching:** Work with an accompanist on various styles of vocal literature, under the supervision of a member of the voice faculty. (The vocal coaching credit may not be counted towards the ensemble requirement.)

(4) **Piano Ensemble:** Study and performance of duet and two-piano literature with a member of the piano faculty.

(5) **Wind Ensemble:** Study and/or performance of literature for woodwind and brass instruments.

(6) **Guitar Ensemble:** Study and performance of ensemble music for guitar.

Grading is Pass/Fail. *Prerequisite:* Permission of the instructor. *1 Hr., 1 Hr.*

MUSC 187, 188 Queens College Chorale

Queens' select choral ensemble that performs major college concerts and tours. Admission by audition only; repertoire includes

secular and sacred choral works from the fifteenth through the twentieth centuries. *1 Hr., 1 Hr.*

MUSC 190, 191 Opera Workshop

The preparation and performance of scenes from opera in a recital setting. *1, 2 or 3 Hrs.*

MUSC 192, 193 Chorus

No audition necessary. Open to all students who like to sing. Repertoire includes both light and traditional music. *1 Hr., 1 Hr.*

MUSC 195 Functional Piano Class I

Includes procedures and skills for proficiency in reading, harmonization and transposition at sight as well as experience in accompanying. Open to any student with sufficient background, but designed particularly for students majoring in music therapy. The class meets for two 50-minute sessions each week. Grading is Pass/No Record. Students may exempt this course by passing an examination. This course must be repeated until required skills are mastered. *1 Hr.*

MUSC 196 Functional Piano Class II

A continuation of Music 195, this course is especially important to the music therapy student. Special emphasis is placed on creativity and improvisation, including the ability to compose original melodies, accompaniments and short pieces extemporaneously in a variety of moods and styles, vocally and instrumentally. A proficiency exam is given at the end of Music 196. Grading is Pass/No Record. *1 Hr.*

MUSC 197, 198 Queens College Chamber Singers

A select chamber choral ensemble that performs for college and community functions. Admission by audition only; repertoire includes secular and sacred choral works designed for smaller, chamber groups from the fifteenth through the twentieth centuries. Co-requisite: Enrollment in the Queens College Chorale. *1 Hr., 1 Hr.*

CONCERT ATTENDANCE. Regulations regarding events and their validations as well as the number of concerts and recitals required for adult and transfer students are contained in the annual music-student handbook.

MUSC 10, 11 Concert Attendance for Freshmen

Freshmen are required to attend six recitals or concerts on the Queens campus in each of Terms I and II. Two approved concerts or recitals in Charlotte may be substituted for each campus program, but a critique must be submitted and accepted for each of these off-campus events. Grading is Pass/No Record. *0 Hrs., 0 Hrs.*

MUSC 20, 21 Concert Attendance for Sophomores

Sophomores are required to attend six recitals or concerts on the Queens campus in each of Terms I and II. Two approved concerts or recitals in Charlotte may be substituted for each campus program, but a critique must be submitted and accepted for each of these off-campus events. Grading is Pass/No Record. *0 Hrs., 0 Hrs.*

MUSC 30, 31 Concert Attendance for Juniors

Juniors are required to attend six recitals or concerts on the Queens

campus in each of Terms I and II. Two approved concerts or recitals in Charlotte may be substituted for each campus program, but a critique must be submitted and accepted for each of these off-campus events. Grading is Pass/No Record. *0 Hrs., 0 Hrs.*

MUSC 40, 41 Concert Attendance for Seniors

Seniors are required to attend six recitals or concerts on the Queens campus in each of Terms I and II. Two approved concerts or recitals in Charlotte may be substituted for each campus program, but a critique must be submitted and accepted for each of these off-campus events. Grading is Pass/No Record. *0 Hrs., 0 Hrs.*

Nursing

The James D. Vail III Bachelor of Science of Nursing program is a National League for Nursing accredited, four-year baccalaureate degree program which provides opportunities for the development of the professional nurse through courses in liberal learning; social, behavioral and natural sciences; fine arts; and nursing.

Nursing content is founded on self-care theory. High priority is given to academic excellence and clinical experience. Major emphasis is placed on clinical nursing practice in combination with classroom and laboratory instruction. Selected clinical experiences begin in the second year and progress throughout the program.

Students with a variety of backgrounds may be accommodated within the program. Students pursuing nursing for the first time, those with some nursing background and those already licensed to practice nursing (RNs) may all enter the Bachelor of Science in Nursing program.

The program provides an atmosphere in which the individual can develop a personal and professional value system. Pre-licensure graduates are eligible to take the National Council Licensure Examination for Registered Nursing (NCLEX-RN). All graduates are prepared to practice professional nursing in a variety of settings and specialties. The curriculum prepares students for graduate studies in nursing.

CLINICAL COURSE ENROLLMENT. The faculty of the Division of Nursing have an academic, legal and ethical responsibility to protect the public and the health care community from unsafe and/or unprofessional nursing practice. It is within this context that prior to beginning each clinical experience, the student must submit documentation of the following requirements:

1. Completed Queens College health history and physical examination form.
2. Current immunizations.
3. Current TB skin test.
4. Proof of current hospitalization insurance -- copy of policy number and carrier information.
5. Proof of current professional liability insurance (minimum: $1,000,000 per occurance and $3,000,000 aggregate) -- copy of carrier information and policy number.

6. Current CPR certification verification: BCLS-C (copy of card).
7. Record of current status of Hepatitis B vaccine.
8. Others as identified in selected courses.

ADMISSION TO THE MAJOR. Admission to Queens College does not guarantee admission to the nursing major. Acceptance to the nursing major is competitive and selective. Students apply to the major at the end of the sophomore year or, in the case of RNs, before beginning 400-level courses. Acceptance is based on a Queens cumulative grade point average and a prerequisite course grade point average of 2.500, at least a C- in the theory and lab components of prerequisite courses and other requirements listed below. When the number of qualified student applicants exceeds the number that can be admitted, the amount of coursework taken at Queens will take on increased significance.

All students must make formal application to the nursing program during or following the semester in which all required prerequisite courses are completed. Application requirements include:

1. Completed application form.
2. Non-refundable application fee.
3. Prerequisite check list.
4. Verification of clinical course enrollment.
5. Record of high school graduation, high school equivalent or earned credits from an approved post-secondary institution.

Specific guidelines for the application process are available through the Vail Program of Nursing.

Acceptance into the nursing major must be obtained prior to the 300-level nursing courses for pre-licensure students and prior to the 400-level nursing courses for the RN students. The Nursing Student Qualifications Committee (NSQC) reviews applications at specified times during the year and notifies students of committee decisions in a timely manner.

DEGREE REQUIREMENTS. Candidates for the Bachelor of Science in Nursing degree are required to fulfill all College of Arts and Sciences graduation requirements as well as the requirements for the nursing major. Any request for exceptions to the outlined nursing major requirements are to be sent in writing to the chair of the NSQC.

MAJOR. Requirements for the nursing major are:

Prerequisite Courses:

BIOL 111 with lab	Human Anatomy
BIOL 112 with lab	Human Physiology
BIOL 120	Introduction to Medical Microbiology
CHEM 101 with lab	General Chemistry I
CHEM 102 with lab	General Chemistry II
PSYC 201	Introduction to Psychology
PSYC 304	Abnormal Psychology
NURS 201	Introduction to Nursing (pre-licensure

students only)
NURS 202 Health Assessment
NURS 203 Designing Nursing Systems
NURS 204 Pharmacology
NURS 205 Nutrition

Additional required courses:

MATH 206 Statistical Methods
PSYC 320 Developmental Psychology

Nursing courses:

NURS 300 Nursing: A Practice Discipline (RN students only)
NURS 303 Adult Nursing
NURS 307 Mental Health Nursing
NURS 315 Parent-Child Nursing
NURS 400 Nursing Research I
NURS 401 Management in Nursing
NURS 402 Community Health Nursing
NURS 450 Nursing Research II
NURS 451 Complex Nursing Situations
NURS 452 Nursing Perspectives

In order to graduate with a degree in nursing, a student must earn at least a C- in all the prerequisites, additional required and nursing courses listed above.

INFORMATION FOR REGISTERED NURSES. The nursing major at Queens offers a curriculum designed to accommodate the career advancement and the diverse learning needs of RNs. The length of the program will depend upon prior academic preparation and individual scheduling. As with pre-licensure students, all RNs must make formal application to the nursing major after being accepted into Queens College. In addition to meeting the same application requirements of pre-licensure students, RN requirements include:

1. Proof of current, unrestricted licensure as an RN in North Carolina.
2. Successful completion of the three National League for Nursing Profile II exams.
3. Successful completion or validation of NURS 204 - Pharmacology and NURS 205 - Nutrition.
4. Completion of NURS 300 - Nursing: A Practice Discipline.

Specific guidelines for the application process are available through the Division of Nursing.

NURS 201 Introduction to Nursing

This non-clinical course introduces the student to professional nursing. This practice discipline is examined using the Self-Care Deficit Theory of Nursing within the framework of the nursing process. *3 Hrs.*

NURS 202 Health Assessment

This course focuses on the development of the basic technologies of assessment. Selected experiences with essentially healthy individuals

enable students to integrate knowledge and skills of physical assessment. Prerequisite: Biology 111 and Biology 111 lab. *3 Hrs.*

NURS 203 Designing Nursing Systems

This introductory clinical course focuses on the application of selected theoretical knowledge and regulatory technologies necessary to design nursing systems. Clinical experiences occur in a variety of settings. Test fee: $25. Prerequisite/Corequisite: Nursing 201 and Nursing 202. *4 Hrs.*

NURS 204 Pharmacology

This foundational course focuses on classifications, physiological actions, adverse effects and responses to medication therapy. Prerequisite/Corequisite: Biology 112 or permission of the instructor. *3 Hrs.*

NURS 205 Nutrition

This course includes the basic principles of human nutrition as it applies to all life cycle stages with emphasis on nutrients and their utilization in the human body. Food patterns, availability, acceptability and safety are stressed as they relate to individuals and population groups. Open to all students. *3 Hrs.*

NURS 260 Directed Study in Nursing

This directed study is designed to encourage students to study a nursing topic of interest to the student and the profession. Contract objectives will be developed in consultation with a nursing faculty who will serve as mentor for the project. *1 or 2 Hrs.*

NURS 300 Nursing: A Practice Discipline

This non-clinical course focuses on the discipline of professional nursing. The Self-Care Deficit Theory of nursing is explored in relationship to the nursing process. A foundation in health assessment is a integral part of this course. Prerequisite: Registered Nurse or permission of instructor. *4 Hrs.*

NURS 303 Adult Nursing

This clinical course focuses on the designing and implementing of nursing systems with adults experiencing health deviations. Clinical experiences occur in a variety of settings. Fee: $25. Prerequisite: Acceptance to the nursing major. *9 Hrs.*

NURS 307 Mental Health Nursing

This clinical course examines selected behavioral deviations through the life cycle. Clinical experiences offered in a variety of settings. Lab fee: $25. Prerequisites: Acceptance to nursing major and Psychology 304. *4 Hrs.*

NURS 315 Parent-Child Nursing

This clinical course focuses on the childbearing/childrearing family. Meeting the therapeutic self-care demands of the childbearing/childrearing family is the primary objective. Clinical practice occurs in a variety of settings. Lab fee: $25. Prerequisite: Nursing 302. Prerequisite/Corequisite: Psychology 320. *9 Hrs.*

NURS 360 Topics in Nursing

This course is designed to investigate a current topic or specialized area of nursing. The topics will vary from term to term and will provide the student with an opportunity to study a topic that is not offered on a regular basis in the curriculum. Open to all students. *3 Hrs.*

NURS 400 Nursing Research I

In this writing-intensive course, the student develops a proposal which will be implemented in Nursing 450. This course fulfills the writing-intensive course requirement. Prerequisite: All requisite 300-level nursing courses or permission of the instructor. Corequisite/Prerequisite: Mathematics 206. *3 Hrs.*

NURS 401 Management in Nursing

This survey course emphasizes management theory in health care delivery. Principles of management and changes within the health care system are related to nursing practice. Prerequisites: All requisite 300-level nursing courses, or permission of the instructor. *3 Hrs.*

NURS 402 Community Health Nursing

This clinical course examines nursing as part of the larger health care delivery system. Emphasis is on identification of health needs and promotion of self-care of families and groups. Clinical experiences occur in a variety of community agencies. Prerequisite: All requisite 300-level nursing courses. *6 Hrs.*

NURS 450 Nursing Research II

This course enhances knowledge of the research process through implementation of the proposal developed in Nursing 400. Prerequisite: Nursing 400. *2 Hrs.*

NURS 451 Complex Nursing Situations

This clinical course focuses on analysis and synthesis of concepts from nursing and the physical, social and behavioral sciences. The student refines, broadens and enhances nursing agency to expand the scope of professional nursing practice. Lab fee: $25. Prerequisite/ Corequisite: Nursing 401. *6 Hrs.*

NURS 452 Nursing Perspectives

Current trends and issues in professional nursing are explored. Projections of nursing for the future are made in light of historical bases and current trends. Prerequisite: Senior-level nursing status. *2 Hrs.*

NURS 460 Independent Study in Nursing

Independent investigation of a selected topic in nursing is accomplished through faculty mentorship. Directed readings culminate in a scholarly paper. May be repeated for credit. *1,2,3 Hrs.*

Philosophy

The academic study of philosophy engages students in a comprehensive and critical investigation of pervasive cultural beliefs, such as freedom, truth, God and justice. Emphasis is given to careful method, as well as the history of Western philosophy.

MINOR. Eighteen hours are required for the minor in philosophy.

Philosophy 204, Introductory Logic, is required. A student may take up to six hours of religion courses toward the philosophy minor.

PHIL 203 Introduction to Philosophy

Introductory study of the perennial questions of philosophy and the various methods by which philosophy has tried to answer them. *3 Hrs.*

PHIL 204 Introductory Logic

A study of the major forms of reasoning -- deductive, inductive and explanatory -- used in everyday life, science and philosophy. Attention will be given to the use of logical techniques in problem-solving. *3 Hrs.*

PHIL 220 Philosophy of Religion

An introduction to some central problems in the philosophy of religion -- the nature of religious experience, religious knowledge, God, secularity and the relationship of religion and morality. The aim of the course is to understand these important issues through careful, comprehensive criticism. Note: Students may elect this course as Religion 220. This course fulfills the writing-intensive course requirement. *3 Hrs.*

PHIL 230 Ancient and Medieval Western Philosophy

A historical and conceptual investigation of the major texts of the Pre-Socratics, Plato, Aristotle and selected medieval thinkers, such as Augustine, Anselm, Abelard, Aquinas and William of Ockham. *3 Hrs.*

PHIL 250 Modern Philosophy

A historical and conceptual investigation of the major texts of the great European philosophers of the seventeenth and eighteenth centuries, including Descartes, Hume and Kant. Prerequisite: Sophomore standing; although they would be helpful, Philosophy 230, Ancient and Medieval Philosophy, are not required. *3 Hrs.*

PHIL 255 American Philosophy

A historical and conceptual investigation of the classic American philosophers, Peirce, James, Santayana and Dewey, with attention given their precursors, such as Emerson, contemporaries, such as Royce, Mead and successors, such as Lewis and Quine. Prerequisite: Sophomore standing. *3 Hrs.*

PHIL 304 Contemporary Western Philosophy

A historical and conceptual investigation of the major European and American philosophers of the nineteen and twentieth centuries, beginning with Hegel and Nietzsche, but emphasizing the work of Frege, Russell, Moore and Wittgenstein. Attention will also be given to Heidegger, Sartre and Quine. Prerequisite: Philosophy 206, 250 or 255. *3 Hrs.*

PHIL 305 Medical Ethics

An investigation of the major ethical dilemmas arising with the life sciences. The course intends to assist students to identify, analyze and decide ethical issues in such a way that they can defend their positions to themselves and to others. Some of the issues to be investigated are abortion, death and dying, patient rights and justice in the allocation of

medical resources. *3 Hrs.*

PHIL 336 Political Theory I

Political thought from classical Greece to Hobbes, examination of the content of political thought and its sources in an impact upon society during the ancient, medieval and Renaissance periods. Note: Students may elect this course as Political Science 336. *3 Hrs.*

PHIL 337 Political Theory II

Political thought from Hobbes to the twentieth century; examination of the content of political thought and its sources in and impact upon society from the seventeenth century to the twentieth century. Note: Students may elect this course as Political Science 337. *3 Hrs.*

PHIL 349 Topics in Philosophy

Concentrated study of a particular person, movement or issue in philosophy. Topics as proposed will be chosen by the department and approved by the Educational Programs and Curriculum Committee to supplement regular offerings and to cover specialized problems. Course may be repeated for credit with different subtitles. *1-3 Hrs.*

PHIL 350 Directed Studies in Philosophy

Faculty-supervised study of an approved topic in philosophy through selected readings. To be evaluated through a weekly meeting with the instructor and a comprehensive paper. May be repeated once for credit. *1-3 Hrs.*

Physical Education

The physical education program provides an instructional base in selected lifetime leisure and sports skills. Students are encouraged to accept the responsibility for their own well-being by developing the knowledge, skills and attitudes necessary in achieving their optimum level of physical fitness and satisfaction.

The Physical Education Requirement may be met by any two courses; all physical education courses are graded on a Pass/No Record basis. A student may enroll in any number of physical education courses, but only two hours of physical education credit may be counted toward the 122 hours required for a bachelor's degree. The required two hours should be completed by the end of the sophomore year. Participation in varsity sports does not satisfy the physical education graduation requirement. Non-swimmers are encouraged to take PE 151, Beginning Swimming, in the fall semester of their freshman year. All students are encouraged to take additional courses beyond those which are required.

PHED 121 Beginning Tennis

Fundamental skills of tennis (forehand, backhand, serve); emphasis on development of strokes; course for the beginner. *1 Hr.*

PHED 123 Advanced Beginning Tennis

Emphasis on strengthening fundamental skills. Designed for the student who has had some experience with tennis or a course in

beginning tennis; singles and doubles competition in the class. *1 Hr.*

PHED 125 Intermediate Tennis

Emphasis on improving fundamental skills, advanced strokes and techniques; singles and doubles competition within the class. May be repeated for credit. *1 Hr.*

PHED 131 Beginning Modern Dance

An introduction to the basic principles of rhythm, design and dynamics in modern dance; concentration on movement techniques, improvisation and dance composition. *1 Hr.*

PHED 132 Intermediate Modern Dance

Continuation of Physical Education 131, emphasizing comprehensive study of movement techniques as applied to dance composition and improvisation. *1 Hr.*

PHED 134 Dance Production

Experience in the production of a dance program. Admission only by permission of instructor. May be repeated for credit. *1 Hr.*

PHED 135 Folk and Square Dance

Recreational activity class in folk dance and both traditional and modern square dance. Experience in instruction for students who plan to work in elementary education, recreation and related fields. *1 Hr.*

PHED 136 Ballet I

Introduction to classical ballet. May be repeated for credit. *1 Hr.*

PHED 137 Body Dynamics

Principles of physical conditioning and its application to everyday living; activities for improving fitness. May be repeated for credit. *1 Hr.*

PHED 138 Heart Health and CPR

A course designed to combine the study of heart health, CPR certification and aerobic exercise. *1 Hr.*

PHED 141 Weight Training and Conditioning

Principles of weight training and conditioning and their application to everyday living. Includes basic weight training skills and activities for improving fitness. Body building and power lifting will be introduced. May be repeated for credit. *1 Hr.*

PHED 151 Beginning and Advanced Beginning Swimming

For the non-swimmer and beginner; basic safety skills, front crawl and elementary backstroke; opportunity to earn Red Cross certificates. *1 Hr.*

PHED 153 Intermediate Swimming

Elementary back, front crawl, breast, side and back crawl strokes, safety skills; opportunity for to earn Red Cross certificate. *1 Hr.*

PHED 155 Synchronized Swimming

Strokes, stunts and skills, beginning through advanced. Creative experience in solo, duet and team routines. Prerequisite: Intermediate or higher swimming level. May be repeated for credit. *1 Hr.*

PHED 158 Water Safety Instructor's Course

Increased knowledge, judgment and teaching skill for training others to swim; Red Cross certificate. Note: Only 1 Hr. counts toward the P.E. and graduation requirement. Fee: approximately $25. *2 Hrs.*

PHED 159 Lifeguard Training: Basic Water Safety and Emergency Water Safety

In-depth study and practice of the skills and knowledge required for an individual to properly assume the responsibilities of a lifeguard at a swimming pool or a protected open-water beach. Emphasis is placed on the concern for the safety of others. Red Cross certification. Also includes Red Cross Basic First Aid and CPR certification. Prerequisite: 1. Swim 500 yds. continuously using each: crawl, breaststroke, elementary backstroke and sidestroke. 2. Surface dive to a minimum depth of 5 feet and swim underwater for a minimum of 15 yards. 3. Tread water for one minute. Fee: approximately $25. *1 Hr.*

PHED 161 Beginning Golf

Fundamentals of golf for those who have little or no golf skill; grip, stance, club selection, etiquette and rules. Approximately one-fifth of class time is dedicated to actual play. Fee: approximately $25. *1 Hr.*

PHED 169 Topics in Physical Education

This course provides an opportunity for study of various topics in the field of physical education which are not offered on a regular basis. The topics for the course will vary from term to term. May be repeated with different subtitles. No more than one hour may count towards the Physical Education requirement. *1 or 2 Hrs.*

PHED 171 Riding

Instruction offered at three levels: beginner, intermediate and advanced; qualified students may hunt by arrangement. Fee: $185. May be repeated for credit. *1 Hr.*

PHED 180 Water Aerobics

Comprehensive physical fitness program performed in the water. Non-impact aerobics, strength, flexibility, cardio-respiratory endurance, muscular endurance achieved by using water as the resistance. Swimming skills not necessary since the participant can maintain a position in the shallow end of the pool without submerging head. Ideal course for the physically impaired as well as the exercise enthusiast, since the work can be individualized. *1 Hr.*

PHED 181 Indoor Soccer/ Basketball

Principles, skills, tactics and strategy for both soccer and basketball. Includes lecture, skill practice, play and skills-testing for both sports. One-half semester devoted to each. May be repeated for credit. *1 Hr.*

PHED 182 Indoor/Outdoor Volleyball

Course is designed to teach fundamental skills, rules, regulations and simple strategies for both indoor and outdoor volleyball and to help the student develop an appreciation for this lifetime sport. May be repeated for credit. *1 Hr.*

Physics

NATURAL SCIENCE REQUIREMENT. The Natural Science requirement is met with Physics 101.

PHYS 101, 102 General Physics

Beginning course in physics covering the fundamental principles of mechanics, heat, sound, light, electricity and magnetism and atomic physics. Prerequisites: Elementary algebra and plane geometry; Physics 101 is prerequisite to Physics 102. Three hours lecture and three hours laboratory each week. *4 Hrs., 4 Hrs.*

PHYS 105 Radiologic Physics

Selected topics in mechanics, atomic structure, electricity and magnetism, ionizing radiation, production and properties of X-rays, radiation dosimetry and protection; designed to provide students in a radiologic-technology program with a basic understanding of the physical principles involved in the generation and use of X-rays. Students may not receive credit for both Physics 102 and Physics 105. *4 Hrs.*

Political Science

The Queens College approach to the study of political science combines the normative and ethical character of the ancient Greeks with the empirical and analytical character of contemporary post-behavioralism.

CAREERS. A major in political science provides a basis for graduate study in all the subfields of the discipline and a foundation for careers in government, politics, law, journalism, teaching, or any of the many areas in which a liberal arts background is desirable.

MAJOR. Political Science 100, 201, 250, 270, 301 or 306, 400 and 15 additional hours in political science of which at least 12 must be at the 300 level or above, of which six hours must be in a field other than American Politics. In addition, the student is required to take at least six credit hours at the 300 or 400 level in economics, history, psychology, philosophy or sociology. Economics 203 and Mathematics 206 are required for a major in political science and should be completed by the end of the sophomore year. Sociology 315 is recommended. The student should consider a focus in American government, comparative politics, international relations, or political theory before deciding which electives to take.

MINOR. Political Science 100 and 201 plus 12 additional credit hours in political science, of which six hours must be on the 300 level and selected from the core courses in the major.

WRITING-INTENSIVE COURSE REQUIREMENT. The writing-intensive course requirement is met with one course chosen from Political Science 301, 306, 400 or 420.

POLS 100 Introduction to Political Science

An introduction to basic concepts describing political activity, to the language and different approaches used in political science, and to the subfields of the discipline with emphases upon comparative politics, international politics, empirical and normative political theory, public administration, and the law and judicial behavior. *3 Hrs.*

POLS 201 American Politics

Origins and development of the constitution and the federal system; introduction to the presidency, Congress, Supreme Court; political parties and pressure groups as actors in politics; conservatism and liberalism as motivating philosophies. *3 Hrs.*

POLS 202 Contemporary Political Issues

Study of major issues and problem areas in both American and international politics. Emphasis will be upon substantive background of the issue; introduction to the range of political concepts, actors and institutions related to these issues; and the variety of policy choices presented by these issues. Prerequisite: Political Science 100. *3 Hrs.*

POLS 206 Political Ideology

Development and function of ideology in a political system; examination of contemporary ideologies; new ideologies of emerging nations. Prerequisite: Political Science 100. *3 Hrs.*

POLS 210 Introduction to the United Nations

Introduction to the structure and functions of the United Nations. Required for participation in Model United Nations simulations, open to other interested students. Grading is P/NR. No prerequisite. *1 Hr.*

POLS 250 Comparative Political Systems

An introduction to comparative methods of political research. Attention will be given to a comparison of formal institutions and to basic social, economic and cultural factors. Primary emphasis will concern the influence of these factors on political evolution and policy implementation with democratic and totalitarian governments. Prerequisite: Political Science 100. *3 Hrs.*

POLS 270 Introduction to International Relations

Introduction to the behavior of nation-states in the contemporary world system; examination of concepts and problems regarding security, international organizations, third world nations and international political economy. Prerequisite: Political Science 100; Economics 203 recommended. *3 Hrs.*

POLS 299 Exploratory Internship

Exploration of various career options through on-site experience in job settings. May be taken for up to six credit hours. Three hours credit applicable to the political science major. *1, 2 or 3 Hrs.*

POLS 300 Current Topics in Political Science

The study of selected approaches to the study of political activity or specialized topics of contemporary political science research. Possible topics include political psychology, political economics and political fiction. Topics to be announced the term prior to offering. *3 Hrs.*

POLS 301 European Political Systems

Comparative analysis of political culture, institutions, and behavior in selected modern European nations; emphasis on England, France and West Germany. This course fulfills the writing-intensive course requirement. Prerequisite: Political Science 100. *3 Hrs.*

POLS 303 Communist Political Systems

Analysis of communist theory and its practice in the political systems of the Soviet Union, Eastern Europe and China. Emphasis will be upon relating institutional characteristics of these systems with theoretical perceptions of life within them. Prerequisite: Political Science 100. *3 Hrs.*

POLS 305 Asian Politics and Society

Introduction to the contemporary politics and societies of Japan, China, the Koreas and several Southeast Asian countries. Historical look at the development of political, economic and social institutions in these states and the Pacific Rim region. Prerequisite: POLS 250 or consent of instructor. *3 Hrs.*

POLS 306 Developing Political Systems

Introduction to the processes of political development and change, and to problems confronting developmental efforts of an emerging nation; emphasis on selected African, Asian and Latin American nations. This course fulfills the writing-intensive course requirement. Prerequisite: Political Science 100. *3 Hrs.*

POLS 308 Political Parties and Voting Behavior

Function of parties in a political system; comparative party systems; mass and cadre parties; proposals for more "responsible" parties; political attitudes and voting behavior. Prerequisite: Political Science 100. *3 Hrs.*

POLS 311 Public Administration

A political analysis of the nature of government bureaucracies and how they operate. Special attention will be paid to the role of these bureaucracies in the American society, the decision-making processes in these bureaucracies, and the way in which these bureaucracies implement their own decisions as well as those made by higher authorities such as legislature or chief executives. Prerequisite: Political Science 100. *3 Hrs.*

POLS 312 Introduction to Constitutional Law

An examination of leading decisions by the United States Supreme Court in major arenas of constitutional interpretation, including judicial review, the powers of the executive and legislative branches and the Bill of Rights. Prerequisite: Political Science 100 or 201. *3 Hrs.*

POLS 314 The Judicial Process

Examination of the role and functions of courts in the American political process, legal argument, judicial decision-making, and the relationship of the judicial branch to the legislative and executive branches of government. Prerequisite: Political Science 100 or 201. *3 Hrs.*

POLS 316 The Congress and the Legislative Process

Examination of the structure and functions of the United States Congress, the process of lawmaking, and relationship of the legislative to the judicial and executive branches. Prerequisite: Political Science 100 or Political Science 201. *3 Hrs.*

POLS 317 The Presidency and the Executive Branch

Examination of the role and function of the President, and the structure of the executive branch of government. Prerequisite: Political Science 100 or Political Science 201. *3 Hrs.*

POLS 326 Contemporary American Foreign Policy

Analysis of the role of the United States in contemporary world politics; emphasis upon the nature of the foreign policy-making process and the rationale, content, and impact of contemporary American international action and policies. Prerequisite: Political Science 100; Political Science 270 recommended. *3 Hrs.*

POLS 336 Political Theory I

Examination of the content of the political thought of selected Greek, Roman, and Christian thinkers and its sources in and impact upon pre-modern society. Note: Students may elect this course as Philosophy 336. Prerequisite: Political Science 100. *3 Hrs.*

POLS 337 Political Theory II

Political thought from Machiavelli to the twentieth century; examination of the content of political thought and its sources in and impact upon society from the sixteenth century to the twentieth century. Note: Students may elect this course as Philosophy 337. Prerequisite: Political Science 100. *3 Hrs.*

POLS 350 Directed Study

Investigation of a specialized topic in political science through research, special instruction and assigned readings. A paper and oral or written examination by staff are required. Prerequisite: Approval of department. *3 Hrs.*

POLS 400 Senior Seminar

Opportunity to synthesize knowledge of the field through investigation of a major question in a seminar setting. Readings in political science research, formulation of a question, written thesis required. Permission of instructor required, normally open to seniors majoring in Political Science. This course fulfills the writing-intensive course requirement. *3 Hrs.*

POLS 420 World Politics

Analysis of the nature of international politics; examination of system equilibrium and change, war, international regimes, interdependence and dependency. This course fulfills the writing-intensive course requirement. Prerequisite: Political Science 270. *3 Hrs.*

POLS 425 Contemporary Chinese Politics

Analysis of the domestic and foreign politics of the People's Republic of China. Emphasis on modernization and political change. Prerequisite: Political Science 250 or 270. *3 Hrs.*

POLS 450 Independent Study

Opportunity for independent investigation of a topic by means of a thesis or a program of directed readings; oral examination by department members. Open to seniors with permission of the department. *3 Hrs.*

Psychology

The department emphasizes the development of an understanding of factors important in determining behavior. Introductory courses present basic psychological principles; upper-level courses provide opportunities for further work in areas of special interest. Independent study allows the student to design and carry out original research. Internships in community settings enable the student to make practical application of psychological principles.

CAREERS. A major in psychology provides a basis for graduate study in areas of psychology, education, social sciences, social work and law as well as a foundation for careers in personnel, social work, mental health and similar areas.

MAJOR. Requirements: Psychology 201, 303, 306, 306L, 314, 400, 401 and at least 16 additional hours in the department as approved by the major advisor. Mathematics 206 is required for a major in psychology. Biology 112 and Philosophy 203 are recommended.

MINOR. Eighteen hours: Psychology 201; one course from Psychology 302, 303, 304; one course from Psychology 311, 314, 412; three courses from the entire departmental offerings. A student planning on minoring in psychology should check with a departmental member.

WRITING-INTENSIVE COURSE REQUIREMENT. The writing-intensive course requirement is met with Psychology 306.

PREREQUISITE. Psychology 201 is prerequisite to all other psychology courses.

PSYC 201 General Psychology

Survey of the field of psychology emphasizing the results of scientific investigations in the area of behavior. *3 Hrs.*

PSYC 302 Psychology of Personality

Survey of selected theories of personality and principles of personality development. *3 Hrs.*

PSYC 303 Social Psychology

Study of the behavior of the individual in society, including attitude formation and measurement, interpersonal perception and the behavior of the individual in groups. Note: Students may elect this course as Sociology 303. *3 Hrs.*

PSYC 303L Experimental Social Psychology

Application of experimental methods to problems of social psychology such as attitude change, conformity and leadership. Special problems of research design and techniques peculiar to the area of social

psychology are considered. Prerequisite: Psychology 303. Three hours laboratory per week. *1 Hr.*

PSYC 304 Abnormal Psychology

Study of the deviant individual from both the dynamic and behavioral viewpoints. The diagnosis, etiology, treatment and prevention of maladaptive behavior are considered. *3 Hrs.*

PSYC 305 Introduction to Counseling

An introduction to various theories of behavior change, including dynamic, behavioral, cognitive, humanistic and existential approaches to therapy. Individual, group and family therapies will be discussed. Prerequisite: Either Psychology 302 or 304. *3 Hrs.*

PSYC 306 Experimental Methods in Psychology

Application of experimental methods to problems in perception, learning and social behavior. Principles of research, including experimental design, uses of apparatus, and procedural and statistical control are considered. This course fulfills the writing-intensive course requirement. Prerequisite: Mathematics 206. This course must be taken concurrently with Psychology 306L. *3 Hrs.*

PSYC 306L Laboratory in Experimental Psychology

Study of techniques and procedures of psychological research and conducting of experiments in learning, perception, sensory processes, motivation and social behavior. Three hours laboratory per week. This course must be taken concurrently with Psychology 306. *1 Hr.*

PSYC 308 The Exceptional Child

Study of the psychological problems of children who deviate from normative patterns of growth and development. Prerequisite: Psychology 320 or permission of the instructor. *3 Hrs.*

PSYC 311 Psychological Tests

Introductory study of principles of test evaluation and interpretation and consideration of examples of the major types of psychological tests in reference to these principles. Prerequisite: Mathematics 206. *3 Hrs.*

PSYC 312 Sensation and Perception

An introduction to the processes by which humans receive and interpret information from the environment. Sensory coding, information processing, perceptual development, perceptual illusions and psychophysical methods are among the topics discussed. *3 Hrs.*

PSYC 314 Psychology of Learning

Survey of empirical findings on respondent and operant conditioning, and on human verbal learning, with consideration of research methods and design; critical examination of historical and contemporary learning theory. *3 Hrs.*

PSYC 315 Laboratory in Conditioning and Learning

Conducting experiments in respondent and operant conditioning and in human verbal learning. Prerequisite/Corequisite: Psychology 314. Three hours laboratory per week. *1 Hr.*

PSYC 316 Cognitive Psychology

Scientific study of mental processes involved in the acquisition, storage, retrieval and use of knowledge. This course covers theory and research in cognitive psychology as applied to topics such as attention, memory, language and problem solving. *3 Hrs.*

PSYC 320 Developmental Psychology

An introduction to developmental processes from conception to old age. The emphasis in the course is on developmental principles, theoretical views and recent research. *3 Hrs.*

PSYC 352 Topics in Psychology

Intensive consideration of a problem in psychology. The topic for the course will vary from term to term. May be repeated with different subtitles. Prerequisite: Sophomore status or above. *3 Hrs.*

PSYC 400 Advanced General Psychology, I

A restudy and synthesis of basic psychological principles. Prerequisite: 21 hours of psychology courses and senior status. *2 Hrs.*

PSYC 401 Advanced General Psychology, II

Consideration of the major areas of psychology from classical positions through contemporary viewpoints. Prerequisite/ Corequisite: Psychology 400. *3 Hrs.*

PSYC 412 Physiological Psychology

Introduction to the nervous system and internal environment and their effect upon behavior. Normal and abnormal conditions discussed with respect to sensation, learning, emotion and motivation. *3 Hrs.*

PSYC 421 Organizational Behavior

An examination of the behavioral aspects of organizations within our society. Specific topics include the interrelationships between the individual and informal and formal groups; group formation, cohesiveness, conformity, norms, interpersonal communications; conflict; authority, power and influence; leadership, motivation and performance. Students may elect this course as Business 421. *3 Hrs.*

PSYC 449, 450 Independent Research

Opportunity for independent investigation of topics by means of reading and/or experimentation. First term is devoted to formulating the problem, determining its method of investigation and compiling a bibliography; second term, to collecting the data and writing a report. Prerequisite: Permission of the department; also, Psychology 449 is prerequisite to Psychology 450. *1 Hr., 3 Hrs.*

PSYC 451 Seminar in Psychology

Seminar dealing with areas of psychology not covered in the regularly scheduled courses, such as personnel psychology and behavior modification. Admission by permission of instructor. *1, 2 or 3 Hrs.*

PSYC 452 Directed Readings in Psychology

Independent investigation of a topic through a program of directed readings; oral examination conducted by department members. Admission by permission of instructor. May be repeated. *1, 2 or 3 Hrs.*

PSYC 499 Professional Internship in Psychology

Placement in a local agency for supervised experience in programs stressing psychological services. Possible service areas include mental health, mental retardation, juvenile delinquency, drug abuse, assessment and psychological aspects of music therapy and art therapy. Evaluation of experiences and related readings in weekly seminars. May be repeated. Only three hours credit may be applied to a major in psychology. Prerequisites: Junior or senior standing and permission of the instructor. *1, 2 or 3 Hrs.*

Public History

This minor is designed to provide a foundation for careers in museums, preservation, historic sites, archival research, records management and historic archaeology. An internship with a participating museum, archive, historical site or agency is recommended. The program is affiliated with the Institute of Applied History, making students eligible for internships with the Division of Archives and History in Raleigh.

MINOR. Requirements for the minor in public history are: 21 credit hours as follows: Public History 250, 277 and one course at the 300 level; and History 202, 203, 204 and one course at the 300 level. History majors, in place of History 202, 203, 204, must substitute nine additional credit hours at the 300 level in public history.

PUHS 250 Museology

Introduction to the nature of museum operations with emphasis on collections, registrar's function, conservation, research and interpretation, exhibition, educational programs and public relations. *3 Hrs.*

PUHS 277 Historic Site Interpretation

A seminar exploring problems in the presentation and interpretation of historic dwellings and sites. The Hezekiah Alexander House and other historic preservations, restorations and sites in the area will be utilized as laboratories for the seminar. *3 Hrs.*

PUHS 300 Research in Local and Family History

Course designed to provide training and practice in genealogical and historical research with emphasis in working with such materials as court records, deeds, wills and census returns. There will be written and oral presentations of findings. Prerequisite: Junior standing or permission of the instructor. Note: Students may elect this course as History 300. *3 Hrs.*

PUHS 315 Oral History

Examination of ways in which cultures were preserved in the past (folklore, folklife, handicrafts, etc.) and the study of and practice in the methodology of gathering and preserving historical information in oral form. Note: Students may elect this course as History 315. *3 Hrs.*

PUHS 335 Exhibit Design and Installation

A study of the importance of museum and historic site presentations and of the ways exhibitions are created. Design philosophy, exhibit interpretation, selection of materials, mockups, display problems, construction techniques, lighting, artifact handling and security, traveling exhibits, evaluation and career possibilities are topics that will be examined. There will be a behind-the-scenes visit to an exhibit shop and a class project centering on the design of an exhibit or the actual installation of an exhibit. *3 Hrs.*

PUHS 336 Museum Management

A study of the purpose and scope of museum management, including museum ethics and law, organizational structure, policy and procedure, physical facilities, funding, public relations and other topics essential for successful operation of an historical agency, museum, or cultural institution. Offered on demand. *3 Hrs.*

PUHS 337 Cultural Resources Collection Management

A study of the collecting policies and core of artifacts, documents and photographics in historical agencies, archives, museums, and business or cultural organizations. Research and documentation, registration, storage, conservation, cataloging and nomenclature, security and records management will be examined. Offered on demand. *3 Hrs.*

PUHS 349 Directed Readings in Public History

A concentrated program of readings in the public history field in preparation for the public history internship. An interpretive paper and oral examination are required. *1, 2 or 3 Hrs.*

PUHS 378 Historic Site Archaeology

A study of the philosophy and methods of historic-site archaeology. The course will examine artifact analysis, types of sites, stratigraphy, dating techniques, site interpretation and other archaeology skills necessary to excavate sites. *3 Hrs.*

PUHS 379 Archaeology Field School

The practical application of the methods and techniques of historic-site archaeology. The "dig" will be carried out under the direction of a professional archaeologist. Grading is Pass/No Record. *3 Hrs.*

PUHS 380 Topics in Public History

Intensive consideration of a special topic in museums, archives and historic sites. Topics for the course will vary to supplement regular offerings. *3 Hrs.*

PUHS 450 Independent Study in Public History

An independent project making use of principles and methods employed in the museum, archival, historic-site, or preservation field. Open to majors with a B average after departmental approval of the project. *1, 2 or 3 Hrs.*

PUHS 499 Professional Internship: Public History

Designed to enable students to receive training in archives,

museum work, restoration sites, historical agencies, or other such career opportunities. Grading is Pass/Fail. Open only to juniors and seniors with permission of the department. May be taken twice in different areas. *1, 2, 3 or 4 Hrs.*

Religion

College study in religion should increase a student's awareness of the scope and variety of the ways human beings seek meaning in life. Courses in this department can aid the student in grasping what any religious heritage means and in evaluating the religious choices which persons and societies continually make.

CAREERS. For information on the Queens-Presbyterian School of Christian Education Dual Degree Program, see the department chair or page 45 of this *Catalog*.

MINOR. Eighteen hours are required for the minor in religion. Religion 210, Introduction to World Religions and a biblical studies course are required. A student may take up to six hours in philosophy courses toward the religion minor; Philosophy 220, Philosophy of Religion, is recommended.

RELG 205 The Old Testament

Introduction to the nature of the biblical writings and to methods of Bible study. The history, literature and faith of the people of Israel as seen in the Old Testament. *3 Hrs.*

RELG 206 The New Testament

The history, literature and faith of the early Christian community as seen in the New Testament. Students intending to take six hours in the Bible should enroll in Religion 205 prior to Religion 206. *3 Hrs.*

RELG 210 Introduction to World Religions

A study of the religions of the world, including prehistoric beginnings. Study will include religions indigenous to North America, Africa, India, China, Japan and the Middle East. Major emphasis will be on Judaism, Christianity and Islam as religions of the West; and Buddhism, Hinduism and Taoism as religions of the East. *3 Hrs.*

RELG 306 Prophetic Religion

The prophetic movement in Israel; context and message of major Hebrew prophets and selected minor figures; significance of the prophetic style within present-day society. Prerequisite: Religion 205 or permission of the instructor. *3 Hrs.*

RELG 309 The Writings of Paul

Paul's life, letters and teachings in the context of first-century Judaism and Hellenism. Prerequisite: Religion 206 or permission of the instructor. *3 Hrs.*

RELG 310 The Book of Revelation and Apocalytic Thought

An examination of the origin and meaning of apocalypticism, particularly the New Testament apocalypse, the book of *Revelation*.

Students will also study the influence of apocalypticism in English literature and on contemporary life and thought as reflected in political movements (communism, for example), popular songs and films, television evangelism and current religious thought. No prerequisite, although a course in the New Testament would be helpful. *3 Hrs.*

RELG 323 The Renaissance and Reformation

An investigation of one of the most dramatic turning points in Western and World history, this course examines the cultural, economic, political and religious dimensions of the epochs known as the "renaissance" and the "reformation." The course will focus especially on the persons who lived in and shaped the period, including Christine de Pisan and Petrarch; Michelangelo, Leonardo da Vinci and Raphael; Cesare and Lucrezia Borgia; Machiavelli, Martin Luther, Calvin and Thomas More; Henry VIII, Shakespeare and Elizabeth I. Prerequisite: History 201 or permission of the instructor. Students may elect this course as History 323. *3 Hrs.*

RELG 344 Christian Ethics

Historical and systemic examination of the issues in Christian ethical thought and of the problems of Christian norms for action, with special attention to major contemporary Christian theorists. Recommended: A course in New Testament. *3 Hrs.*

RELG 345 Religion in America

Historical analysis of American leaders and movements in religion, with special attention to continuing social and theological problems. Students may elect this course as History 345. *3 Hrs.*

RELG 349 Topics in Religion

Concentrated study of a particular person or issue in the field of religion. Topics as proposed will be chosen by the department and approved by the Educational Programs and Curriculum Committee to supplement regular offerings and to cover specialized problems. Course may be repeated for credit with different subtitles. *1, 2 or 3 Hrs.*

RELG 350 Directed Readings

Faculty-supervised reading of a department-approved bibliography; results to be reviewed at a weekly tutorial, concluding oral review by department. May be repeated for credit. *1, 2 or 3 Hrs.*

Sociology

Sociology is the study of group life: its characteristics, changes, causes and consequences. It combines scientific and humanistic perspectives in the study of urban and rural life, family patterns and relationships, social change, intergroup relations, social class, environment, technology and communications, health seeking behavior, as well as social movements and community responses to disasters -- natural and created.

CAREERS. Sociology is a valuable liberal arts major for students planning careers not only in social research, criminology, or

demography, for example, but also for those pursuing a course of study in public administration, gerontology, education, rehabilitation, social work and market research. It provides a useful background for those planning to enter law, business, medicine, community planning, architecture and even politics.

MAJOR REQUIREMENTS. Sociology 203, 311, 315, 460 and at least 18 additional hours in the department. Mathematics 206 and Computer Science 105 are required for a major in sociology.

MINOR REQUIREMENTS. The minor in sociology requires 18 hours: Sociology 203, 311, 315 and nine additional hours from the department chosen in consultation with the department.

WRITING-INTENSIVE COURSE REQUIREMENT. The writing-intensive course requirement is met with Sociology 315.

PREREQUISITE. Sociology 203 is prerequisite to all other sociology courses.

SOCI 203 Principles of Sociology

Basic concepts and principles of sociology; relationships and meaning of culture, society, personality and interaction; analysis of group structure and social organization. *3 Hrs.*

SOCI 213 General Anthropology

A study of the human origins, prehistory and cultural existence from its less-complex forms to early civilization. An introduction to the concepts, methods and data of physical and archeological anthropology. *3 Hrs.*

SOCI 299 Exploratory Internship

Exploration of various career options through on-site experience in job setting. May be taken for up to six credit hours. Three hours credit applicable to the sociology minor. *1, 2 or 3 Hrs.*

SOCI 300 Specialized Areas in Sociology

The topics for each term are included in the class schedule. Offered on demand. Prerequisites: Upperclass standing or permission of the instructor. *3 Hrs.*

SOCI 302 Social Issues and Problems

A sociological consideration of critical issues in contemporary society relating to individual deviation, social disorganization and social change; emphasis on causal factors, societal response and proposed solutions. *3 Hrs.*

SOCI 303 Social Psychology

Study of the behavior of the individual in society, including attitude formation and measurement, interpersonal perceptions and behavior of the individual in groups. Prerequisite: Psychology 201. Note: Students may elect this course as Psychology 303. *3 Hrs.*

SOCI 304 Marriage and Family

A study of the family as a social institution; types of family life; changing familial roles in contemporary society. Prerequisite: Upperclass standing or permission of the instructor. *3 Hrs.*

SOCI 308 Individual in Society

Study of the various social agents and processes that act on the individual throughout life to mold behavior into socially approved patterns. Focus on American society and the influence of the family, the media, the school, the peer group and the workplace on individual behavior. Examines the processes of socialization as they are affected by sex, race and social class. *3 Hrs.*

SOCI 311 Social Theory

Study of the historical foundations of sociological thought, with emphasis on the work of Marx, Durkheim and Weber. Review of the major contemporary theoretical perspectives. Prerequisite: Six credit hours of sociology. *3 Hrs.*

SOCI 313 Cultural Anthropology

Comparative study of culture with emphasis on preliterate societies; past and present variation of man and culture. Factors in stability and change and relation of culture to personality. *3 Hrs.*

SOCI 315 Methods of Sociological Inquiry

The scientific method applied to social phenomena; methodological orientations in sociology; research procedures; techniques for collecting data, measuring social variables and interpreting research findings. This course fulfills the writing-intensive course requirement. Prerequisite: Mathematics 206 and Computer Science 105 or 200. (Computer Science 105 or 200 may be taken concurrently.) *3 Hrs.*

SOCI 316 Women in Society

An analysis of the female in regard to sex-role stereotyping through an examination of the status of women, cross-cultural role differences and the dynamics of socialization. *3 Hrs.*

SOCI 319 Deviant and Criminal Behavior

An examination of behaviors that violate significant social norms, how such acts come to be defined as deviant or criminal, the social functions and dysfunctions of deviance, and the means of social control used to encourage conformity and inhibit rule-breaking. *3 Hrs.*

SOCI 330 Directed Individual Study

Independent reading and investigation of the literature relevant to a specific topic in sociology. Prerequisites: Junior or senior standing, permission of the instructor, minimum GPA of 3.000. *1, 2 or 3 Hrs.*

SOCI 340 Social Inequality

An examination of systems of social stratification; theoretical perspectives on stratification and differentiation; the interaction of class and status; consequences of class differences in modern America. *3 Hrs.*

SOCI 345 Racial and Ethnic Minorities

Analysis of majority-minority group relations and social processes. Study of origins and consequences of prejudice. Focuses on experience of ethnic and racial minority groups in American culture. *3 Hrs.*

SOCI 420 Population

An analysis of human behavioral patterns, values and ideologies that are relevant to the number, distribution, and composition of populations, including an examination of the interrelationships of the components of population analysis: fertility, mortality and migration. *3 Hrs.*

SOCI 425 Urban Sociology

A study of the genesis, growth and spatial patterns of cities, including an analysis of the distribution and function of metropolises from an ecological perspective. Attention is also given to contemporary urban problems. *3 Hrs.*

SOCI 460 Senior Seminar

Consideration of major sociological issues with emphasis on current literature and research. Open to seniors or by permission of instructor. *3 Hrs.*

Spanish

MAJOR IN SPANISH. Thirty credit hours of Spanish courses above the 100 level as approved by the major advisor. At least 18 credit hours are required from Spanish courses number 300 and above. Two of the following courses are required: Spanish 301, 302, 331 or 332.

MINOR IN SPANISH. At least 18 hours of courses in Spanish above the 100 level.

WRITING-INTENSIVE COURSE REQUIREMENT. The writing-intensive course requirement is met with either Spanish 351 or 451.

POLICY. Unless otherwise stated, all 300- and 400-level courses are conducted in Spanish.

PREREQUISITES. Prerequisites for courses 300 or above are Spanish 201 and 202 or their equivalent, or consent of the instructor.

SPAN 101, 102 Elementary Spanish I and II

Presentation of basic grammatical structure with emphasis on correct oral and written use of the language; introduction to the Hispanic civilization. *3 Hrs., 3 Hrs.*

SPAN 201 Intermediate Spanish

Review and more-advanced study of the language with emphasis placed on structure and the written expression of thoughts. Prerequisite: Spanish 101, 102, or equivalent. *3 Hrs.*

SPAN 202 Intermediate Spanish II

Review and more-advanced study of the language with emphasis placed on oral use; introduction to the civilization of Spain and Latin America. Prerequisites: Spanish 101, 102, or equivalent. *3 Hrs.*

SPAN 301, 302 Study of Hispanic Literature

Introduction to Spanish literature, its historical background and

important literary trends, developed through reading and discussion of significant works. *3 Hrs., 3 Hrs.*

SPAN 321 Spanish Conversation

Continued practice in speaking, report-making and comprehension; continued stress on pronunciation, intonation and on correct modes of expression. *3 Hrs.*

SPAN 322 Advanced Spanish Conversation

Advanced training in speaking, report-making and comprehension. Contemporary issues such as socio-political problems of Latin America and Spain will be used as a basis for discussion. *3 Hrs.*

SPAN 331 Spanish-American Literature I

Chronological developments of Spanish-American literature; readings reflect history, culture and social and literary trends. *3 Hrs.*

SPAN 332 Spanish-American Literature II

A continuation of Spanish 331 with discussion based on short stories and essays. *3 Hrs.*

SPAN 341 Spanish Literary Classics

Major literary works from various periods of Spanish literature chosen for their value as contributions to world literature. Works to be read in original, papers and tests to be written in Spanish. Note: Students may elect this course as English 341, with all course work conducted in English. *3 Hrs.*

SPAN 349 Commercial Spanish

A study of the structure and style of Spanish business letters, routine messages and communication. Emphasis on commercial, banking and telecommunication terminology. *3 Hrs.*

SPAN 351 Spanish Grammar and Translation

A thorough review of Spanish grammar with a strong emphasis on translation. This course fulfills the writing-intensive course requirement. *3 Hrs.*

SPAN 361 Spanish Phonetics

A study of the sounds of the Spanish language, their production, transcription and regional variances. *3 Hrs.*

SPAN 370 Topics in Spanish Studies

Course designed to address a specific topic or area of Spanish/Latin American Studies. Topic will be announced the semester preceding the offering. *3 Hrs.*

SPAN 372 Elementary Translating

Comparative analysis of translated texts; questions of restructuring texts and adding or subtracting material; style/audience relationship; simple translations from source language to English; sight translation. *3 Hrs.*

SPAN 374 Advanced Translating

Study of professional journals in the field of translation; specific problems of source/target language equivalents; expansion of working dictionaries; oral reports on work in progress; translating of substantial text(s) in field of specialization. Texts may be scientific, technical,

commercial, scholarly or literary, depending on field of specialization. *3 Hrs.*

SPAN 400 Directed Readings in Spanish

Directed study of a topic requiring the use of Spanish-language sources. *1, 2 or 3 Hrs.*

SPAN 402 Contemporary Spanish Literature

Literature and ideas of the twentieth century from the "Generation of 1898" to the present. *3 Hrs.*

SPAN 423 Spanish Drama of the Golden Age

Literary background of the Golden Age; reading and evaluation of masterpieces of drama. Works to be read in the original; papers and tests to be written in Spanish. Note: Students may elect this course as English 345 with all course work conducted in English. *3 Hrs.*

SPAN 430 Spanish American Prose Fiction

A study of a Spanish American nineteenth- and twentieth-century prose fiction beginning with Romanticism and continuing through contemporary trends. *3 Hrs.*

SPAN 431 Spanish American Poetry

A study of Spanish American nineteenth- and twentieth-century poetry beginning with Romanticism and continuing through contemporary movements. *3 Hrs.*

SPAN 432 Spanish American Drama

A study of Spanish American twentieth-century theater with selections from various styles. *3 Hrs.*

SPAN 442 Methods and Materials for Foreign Language Teaching

Required for students who wish to teach foreign language at the secondary and/or elementary level. Study of current trends in methodology, resources, materials and strategies applicable to foreign language instruction. *3 Hrs.*

SPAN 448 Cervantes

Study of works of Cervantes, with emphasis on *Don Quixote* and *Novelas Ejemplares*. Works to be read in the original; papers and tests to be written in Spanish. Note: Students may elect this course as English 348, with all course work conducted in English. Otherwise, course will be taught in Spanish. *3 Hrs.*

SPAN 451 Advanced Grammar and Composition

A systematic review and a more-advanced study of the grammatical structure of the language; oral and written application of the principles studied to increase fluency. This course fulfills the writing-intensive course requirement. *3 Hrs.*

SPAN 471 Research

A one-term research program in Spanish preparatory to the senior thesis. *1 Hr.*

SPAN 472 Senior Thesis: Spanish

Study of a topic of special interest to the student. Presentation of the study, written in Spanish, will be made and defended before a

review committee. *3 or 4 Hrs.*

SPAN 475 Research

A one-term research program in Latin-American Studies preparatory to the senior thesis. *1 Hr.*

SPAN 476 Senior Thesis: Latin-American

Study of a Latin-American topic of special interest to the student. Presentation of the study, written in Spanish, will be made and defended before a review committee. Prerequisite: Spanish 475. *3 or 4 Hrs.*

SPAN 499 Professional Internship in Spanish

A supervised experience in a situation in which the language must be used. *1, 2 or 3 Hrs.*

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Edwin Ruthven Walker, *1954-1965; Acting, 1965-1967*
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Juli Treadway, *Housekeeping/Operations Manager*
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James Cogdill, *Mechanic*
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Roy McCall, *Carpenter*
Larry Watkins, *General Maintenance*

Operations

Fred Williams, *Lead Operations*

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Annie Bennett
Tanya Coleman
Grady Cunningham
Shirley Gilcrest

Reginald Hamit
Pat Ivey
Gwen Lee
Mary Alice McCorey
Robert Newsome
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John Small
Adolphus Smalls
Marguerite Springs
Annie Taylor
Alma Thompson
Kenneth Winchester

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Tracy Daniel

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Melissa Milburn, *Food Service Manager*
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M'Lou Greene, *Bookstore Manager*

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Glenda Howard, *Postmaster*

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John Clark, *Admissions Counselor*
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Alex Feldman, *Data Entry Clerk*

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Barbara Walker, *Gift and Records Coordinator*

Faculty

Date following name and title indicates year of appointment

* Part-time
+ On leave, 1995-96

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Assistant Professor of Chemistry, 1994
B.S., University of Athens; M.S., University of Iowa; Ph.D., University of North Carolina at Chapel Hill

Christine L. Allegretti
Professor of Psychology and Chair, Division of Social Sciences and Education, 1985
B.A., M.A, Ph.D. University of Arkansas

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Instructor of Physical Education, 1987
B.S., Virginia Polytechnical Institution and State University; M.A., Western Carolina University

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Associate Professor of Organizational Communication, 1995
B.A., Wake Forest; M.A., University of Kentucky; Ph.D., Florida State University

*Daniel C. Biber
Associate Professor of Psychology, 1976
B.A., Columbia University; Ph.D., University of North Carolina at Chapel Hill

+Cathy Smith Bowers
Instructor of English, 1983
B.A., M.A.T., Winthrop College

Bradley W. Brooks
Assistant Professor of Business Administration, 1994
B.S., Clemson University; M.B.A., Ph.D., University of South Carolina

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B.A., Shippensburg University; M.B.A., University of North Carolina at Charlotte; Ph.D., University of South Carolina at Columbia

Deborah N. Campbell
Instructor of English and Director of the Writing Center, 1987
B.A., M.A., West Virginia University

M. Cherie Clark
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B.A., Indiana University of Pennsylvania; M.A., Florida Atlantic University; Ph.D., Florida International University

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B.A., University of Central Florida; M.Ed., Florida Atlantic University; Ed.D., University of North Carolina at Greensboro

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B.M.E., Northeast Missouri State University; M.M., Southern Illinois University; D.M., Indiana University School of Music

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Chair, Hugh L. McColl Jr. School of Business and Dana Professor of Business Administration and Economics, 1981
B.B.A., M.A., Ph.D., University of Oklahoma

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Assistant Professor of Business Administration, 1982
B.B.A., Siena College; J.D., Albany Law School; Certified Public Accountant

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Janice L. Ginger
Associate Professor of Education, 1984
B.A., Colorado Women's College; M.Ed., Ph.D., University of North Dakota

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Associate Professor of Music, 1989
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QUEENS COLLEGE

C H A R L O T T E

1. Burwell Hall (Administrative offices)
2. Jernigan Building (Business Office)
3. McEwen Building (Liberal Learning)
4. Withers House (Continuing Education)
5. Walker Science Building (Computing Services)
6. Dana Building (McColl School of Business)
7. E.H. Little Fine Arts Center (Dana Auditorium)
8. Barnhardt Residence Hall
9. Morrison Dining Hall (Post Office, Bookstore)
10. Trexler College Center (Snack Bar)
11. Watkins Art Building
12. Blair Building
13. Everett Library
14. Tillett Building
15. Faculty Club
16. Sorority Lodge
17. Fraternity Lodge
18. Ovens Athletic Center
19. Tennis Courts
20. Student Health Center
21. Greenhouse
22. Maintenance Shop
23. Heating Plant
24. Harris Residence Hall
25. Wallace Residence Hall
26. Belk Residence Hall
27. Stultz Building
28. Long Residence Hall
29. Albright Residence Hall
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